



D.VENKATA SUBRAMANIAN,

Seasoned Academic, Industry & Research Leader in AI, Data Science, FinTech, Big Data Systems

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BRIEF PROFILE SUMMARY

Visionary academic leader and researcher with over 32 years of distinguished experience across academia, industry, and global collaborations, specializing in Artificial Intelligence, Cloud Computing, Data Science, NLP, Big Data Systems, and Advanced Databases. A catalyst for academic excellence and institutional transformation, I have driven innovative educational reforms, digital transformation, and research-led growth in alignment with national education policies and global standards. With 100+ peer-reviewed publications, authored textbooks, and a proven track record in mentoring Ph.D. scholars, leading funded research, and forging industry-academic partnerships, I have advanced both knowledge and practice. Recognized for technical depth, people-centric leadership, and visionary execution, I am poised to lead a dynamic, inclusive academic ecosystem that fosters quality education, impactful research, and global competitiveness—shaping a technology-enabled, socially responsible institute committed to nation-building, innovation, and lifelong learning.

EDUCATION

- **Postdoctoral Fellow in Multi-Modal & Context Sensitive AI Based Recommendation Systems**
University of South Florida, USA (Since May 2025)
- **Postdoctoral Fellow in AI-based Knowledge Management Systems (KMS)**
Christ University, Bengaluru, India (2022–2024)
- **Ph.D. in Knowledge Management Systems (Computer Science & Engineering)**
B.S. Abdur Rahman Crescent Institute of Science & Technology, Tamil Nadu, India (2012–2014)
- **M.S. in Computer Systems Engineering (Specialization: Software Engineering Design)**
Northeastern University, Boston, USA (2000–2002)
- **MBA in Information Systems Management**, Bharathiar University, Coimbatore, India (2010–2012)
- **B.E. in Computer Science & Engineering**, Bharathidasan University, Tiruchirappalli, India (1988–1992)

KEY STRENGTHS & QUALIFICATIONS

- **Academic Leadership:** Proven track record in curriculum design for advanced topics like AI, Big Data, and Text Analytics. Strong mentorship skills for postgraduate and doctoral candidates.
- **Technical Expertise:** Hands-on experience in **AI/ML, XAI, Graph Databases (Neo4J), Cloud Computing, and Big Data Technologies (Hadoop Ecosystems)**.
- **Research Excellence:** Published **100+ articles**, including 15+ SCOPUS-indexed papers. Filed **4 patents** in AI and Knowledge Management Systems. Reviewer for reputed journals like Informatica, Elsevier, and IJWLTT.
- **Innovative Educator:** Extensive experience in leading courses such as AI, Data Mining, Cloud Computing, and Software Project Management, integrating hands-on learning and industry-oriented pedagogy.
- **Global Expertise:** Delivered faculty development programs, T3 (Train the Trainers), and postgraduate courses across India, Malaysia, and other global locations in collaboration with entities like IBM ICE and Edology.
- **Leadership & Recognition:** Received prestigious awards such as the "**Best Inspiring Teacher**" (IET CLN, 2016) and the "**Above and Beyond Award**" for exemplary contributions to academic and research endeavors.

CORE COMPETENCIES

- **Technical Domains:** Cloud Computing, AI/ML, Data Science, Big Data Systems, Graph Databases (Neo4J), PowerBI, Descriptive, Diagnostic, Predictive, Prescriptive, Social Web, Mobile Media, Text and Speech Analytics.
- **Programming & Tools:** Python, R, Java, Shell Scripting, TensorFlow, PyTorch, Keras, Scikit-learn, Hadoop Ecosystems & Platforms such as AWS, Google & Microsoft
- **Databases:** Oracle, MySQL, MongoDB, HIVE, IBM INFORMIX, IBM DB2 UDB, Neo4J, MS-SqlServer & others
- **Cloud Platforms:** AWS, Azure, Google Cloud.
- **Frameworks:** TensorFlow, spaCy, NLTK, Hugging Face Transformers.
- **Operating Systems:** Windows, HP-UX, IBM-AIX, Sun-Soaris, Digital Ultrix, RHEL, Ubuntu, CentOS, Kali-linux

PROFESSIONAL EXPERIENCE

Professor & Head – Information Technology

Prince Shri Venkateshwara Padmavathy Engineering College, Tamil Nadu, India (12 July 2023–Present)

- Mentoring research projects, publishing innovative articles, and facilitating global industry engagement through campus initiatives like *Agile Assembly*.
- Developed several in-house products including an AI-based Smart Voice Language Extender-Helper for Students and Faculty, Campus Navigation Systems, Smart Inventory and System Mapping tools, and a Student Attendance and Behavioural Analytics system using YOLO.
- Empowering faculty with modern and effective teaching pedagogies and raising student awareness on Engineering Graduate Attributes, Program Outcomes (PO), Course Outcomes (CO), and the significance of NBA accreditation.
- Collaborating with industry and international partners to provide student internships, organize competitions, and co-develop innovative software products aligned with emerging technologies and market needs.
- Recognized as one of the most admired and caring professors in the institution, known for nurturing student growth, both academically and personally.

Professor & Dean – School of Computing Sciences - Hindustan University (HITS), June 2015 - November 2017

Leadership and People Management:

- Managed three departments—CSE, IT, and Computer Applications—leading a team of 120 junior and senior faculty members, research scholars, and research fellows.
- Directed a team of 20 IT infrastructure professionals, including system and network administrators, ensuring smooth operations
- Coordinating and mentoring diverse teams, fostering a collaborative environment that contributed to academic and operational excellence.

Academics & Research Management:

- Spearheaded curriculum enhancement by introducing industry-relevant courses such as SMAC, Scripting Languages, and Parallel Programming, while ensuring alignment with Outcome-Based Education (OBE) and Bloom's Taxonomy.
- Promoted high-quality research, patents, and funded projects in emerging domains including HPC, Knowledge Management, MDM, ERP, Web/Cloud Technologies, Image Processing, and IoT across various sectors.
- Played a strategic leadership role as Chairman/member of DEC, CRC, IQAC, and OBE/CBCS core committees; regularly briefed the Vice Chancellor and leadership on academic and operational progress.
- Strengthened industry-academia collaboration through MoUs with IIT Madras (BOSS-MOOL) and CodeChef, facilitating internships, advanced training, and programming talent development.
- Successfully coordinated NBA and NAAC accreditation (including an A grade), and led digitization initiatives covering IT infrastructure, ERP, website, portals, and vendor relationships.
- Implemented innovative teaching pedagogies including Role Play, Games, POGIL, PBL, Case Studies, and Critical Pedagogy; actively promoted ICT-based and Wiki-style learning resources.

Professor – CSE & Head –EDC- Saveetha University (SSE/SIMATS), May 2013 – May 2015

- Led the Entrepreneurship Development Cell, fostering campus startups, organizing innovation programs, and building strong industry and international partnerships through impactful MoUs (e.g., Ma Foi, TISS).
- Organized and facilitated international conferences (ICHCI'14), national workshops, technical contests (Texium), guest lectures, and research activities to enhance academic engagement.
- Championed industry-institute interactions, foreign collaborations, and student/faculty exchange programs while actively supporting mentorship, internships, and study-abroad opportunities.
- Played a pivotal role in lab development, Centres of Excellence (COEs), and academic infrastructure, while promoting modern teaching pedagogies across departments.
- Drove institutional social responsibility initiatives such as village adoption, digital portals for rural education, and disaster relief efforts (e.g., Kashmir Floods).
- Increased research output through strategic mentoring, resulting in more papers, patents, and enhanced student participation in academic and technical events.
- Introduced university-level mentorship systems and performance appraisal mechanisms to elevate student outcomes and faculty effectiveness.

Also Served in academic institutions given below.

BIRLA INSTITUTE OF TECHNOLOGY & SCIENCE – GUEST FACULTY – Since 2012

VELAMMAL Institute of Technology, Chennai, June 2018–June 2021 – ADJUNCT PROFESSOR

QIS College of Engineering & Technology, Ongole, A.P, Dec 2017–May 2018 – ADJUNCT PROFESSOR

TAGORE & JERUSALEM ENGINEERING COLLEGE, Sept 2003 – Aug 2004 – ASST PROFESSOR & HOD

MIDAS Institute of Engineering Technology – Contractor/Lecture, Apr 1994–Apr 1995 – LECTURER

ADHIYAMAAN College of Engineering, Hosur – Lecturer, Nov 1992–Apr 1994 – LECTURER

TAGORE Educational Society, Faculty, April 1992–Oct 1992 – FACULTY

INDUSTRY EXPERIENCE

Database Consultant - Optima Technologies, Inc. Roswell, Georgia, United States (Client: Cisco Systems USA) - September 2016 – August 2022 (6 years, remote consulting / part-time)

- Provided on-demand and remote database consulting services for Oracle, Postgres, MySQL/MariaDB, and MongoDB.
- Specialized in performance tuning, archiving, purging, scalability, and automation using UNIX shell scripting.

Director of Technology Services - SSolada Integrated Solutions (P) Ltd, India, April 2011 – March 2013 (2 years)

Led technology service operations, overseeing technical teams and ensuring the delivery of high- quality technology solutions.

- ✓ Trained about 4000 IT professionals in multiple MNC's in Oracle, MSSQL, IBM Db2 UDB & Informix
- ✓ Performed 10+ consulting assignments for various MNCs in Data Archiving, Migration and Clustering
- ✓ Prepared training materials & conducted trainings in Oracle, IBM Db2 UDB, Informix Dynamic Server, IBM MDM Infosphere, MYSQL/MARIADB, Mongoddb, Oracle PLSQL, Linux/Unix Shell Scripting
- ✓ Deftly designed the Active-Repository-Archive (3 Layers) Database Architecture Solution for developing new Healthcare Product and for consolidating different Healthcare Product Databases
- ✓ Skillfully initiated and prototyped .NET/XML Tool Development for performing data replication
- ✓ Setup of Oracle 12C, SQL Server Cluster, Informix Database environments as per the client needs
- ✓ Implemented Oracle Streams and stored procedure replication solution for the product needs in MS-SQL Server, Oracle

Senior Architect - Virtusa India Pvt Ltd, March 2010 – April 2011 (1 year 2 months)

- Managed technology delivery and assurance for a major telecom provider in Europe, focusing on databases, systems, CIT, MDM, and data warehousing tools.
- Implemented engineering rigor to minimize escalations and ensure high standards of service delivery.

Senior Database Consultant - IBM Contractor, September 2009 – March 2010 (7 months)

Consulted on Db2, Oracle databases, and SAP environments for three major accounts, providing expert advice and solutions.

Engineering Manager - Applied Materials India Pvt Ltd, September 2004 May 2008 (3 years 9 months)

Directed engineering teams and projects, focusing on technology & IT infrastructure solutions.

Senior Technology Officer - State Street Inc., Boston, MA, USA, October 1996 – June 2003 (6 years 9 months)

Led the development of customized applications, data warehouses, and data marts.

Roles Assigned: Senior Technology Officer/Principal Database Consultant to support financial applications developed by State Street. Assigned the responsibility of developing and maintaining all the infrastructure / services procedures, Database Sizing, Certification, De-Certification, HA, DR and Backup and other procedure and oncall/24*7 support for many internal and Financial Databases/Applications.

Key Accomplishments

- Establishment of end-to-end core system and database services and processes such as SOP's, Sizing and Certification Guidelines, High Availability, Disaster Recovery, Security and Auditing Procedures;
- Involved in cost cutting efforts and acted as a key member of technology/architecture review board; Formed and managed a team called Scripting Council
- Provided on call DBA support for Oracle and DB2-UDB databases that support infrastructure and third party applications/tools such as Erwin/AllFusion ModelMart, CA's Advantage Repository (Meta Data), Rational ClearQuest, WebSphere & ECPERF

IT Consultant/Contractor - IT Consultancy & Services Pte. Ltd, Singapore, May 1995 – October 1996 (1 year 6 months)

Provided IT consulting services, focusing on database and system solutions for various clients.

AWARDS & ACHIEVEMENTS

- **"Best Inspiring Teacher"** (IET CLN, 2016) for fostering academic excellence.
- **"Above and Beyond Award"** for exceptional contributions to research and mentorship.
- Published **3 book chapters** and a textbook, widely cited by academic and industry leaders.
- **Reviewer** for prestigious journals such as Elsevier and Informatica.
- **Received** many technical certifications from SimpliLearn, IBM Db2 associate, ITIL Foundation certified, Hadoop Certified, MongoDB University Certified & a few others from Industries and Institutions

KEY QUALIFICATIONS & LEADERSHIP EXPERTISE

- ❖ **Ph.D. & Extensive Experience:** Hold a Ph.D. in a relevant scientific field with 32 years of combined experience in academia and industry, driving research excellence and strategic innovation.
- ❖ **Strategic Leadership & Vision:** Proven ability to develop and implement long-term research visions that align with business objectives, driving transformative change and achieving impactful results in both academic and corporate environments.
- ❖ **High-Performance Team Leadership:** Led high-performing teams in executing multinational research projects, consistently fostering collaboration, achieving exceptional outcomes, and aligning research efforts.
- ❖ **AI & Emerging Technologies Expertise:** In-depth knowledge of cutting-edge AI technologies, including MLOps, Explainable AI (XAI), Large Language Models (LLMs), Generative AI, and Neo4J, with a strong focus on staying ahead of industry trends and innovations.
- ❖ **Cloud Services & AI Development Tools:** Expertise in cloud platform, deep learning frameworks and AI development tools/packages, enabling the creation and deployment of scalable, innovative solutions across industries.
- ❖ **Fairness, Accountability, Trustworthiness and Risks management** using Regulatory Compliance to mitigate bias, risks, and vulnerabilities to ensure AI driven solutions are ethical and secured.

PROFESSIONAL DEVELOPMENT & ENGAGEMENTS

- ❖ Actively involved in organizing conferences, workshops, and webinars at both national and international levels.
- ❖ Provided consulting services to MNCs in areas of AI/ML, Data Science, and Big Data.
- ❖ Collaborated with leading institutions to foster academic research and industrial applications of AI technologies.
- ❖ Strong networking skills with industry leaders, academic institutions, and global technology partners to drive collaborative innovations.
- ❖ Life Time CSI Member & IFERP Member

SOCIAL MEDIA & OUTREACH ACTIVITIES

- ❖ **Educational Support for Government Schools**
 - ✓ Actively providing infrastructure support, motivational programs, healthy snacks, teaching computer science subjects (including Python), and financial assistance for contract teachers for various schools in two districts.
 - ✓ Received multiple Appreciation Certificates from various Government Schools for infrastructure and academic support initiatives.
- ❖ **Humanitarian Initiatives & Social Services**
 - ✓ Played a pivotal role in the Tsunami Relief Efforts (December 2004), collecting over ₹8 Lakhs and essential materials through VPS & HOPE initiatives.
 - ✓ Supported the Kashmir Flood Relief fundraiser (December 2014) with university students.
 - ✓ Assisted with fund & material distribution for rain-affected areas in Chennai and its suburbs alongside students and staff (November 23, 2015).
- ❖ **Community Events & Recognition**
 - ✓ Mentorship and Best Support Department Award for Hindustan Innovation Business Challenge Events (October 2015).
 - ✓ Organized the "Make in India" program at Government School, Kundhambakkam, Kancheepuram, Dt. (March 31, 2015), receiving appreciation from the school administration.

STUDENTS WELFARE, ACADEMICS, EXTRA AND CO-CURRICULAR ACTIVITIES

- Mentor for MS students (BITS Pilani) and many alumni from 2003 till date, Life Time Member of Computer Society of India(CSI)
- Presented several technical papers & served as a Bharathidasan University Cultural Team Member (1991-1992); Also active role in CSI College Chapter, NCC & NSS from 1989 till 1992
- Won Several Prizes from School till college days for several cultural activities (Singing & Stage Events).
- Won prizes in many staff cultural & sports competitions held at Saveetha School of Engineering & HITS
- Guided several UG & PG Projects and mentored students for taking up internship in India and Abroad
- Instrumental in creating innovative mind sets and encouragement of students to participate/win prizes
- Facilitated students in getting placement
- Coached students in participating Programming, Mobile App development, design contests, symposiums and conferences
- Introduced many ICT based Teaching Materials, Youtube lectures, Blogs & Wiki Based Materials
- Conducted many IBM T3 Training Programs and Guest Lectures
- Reviewed new courses as part of the Curriculum revision, Implemented B.Tech with IBM Specialization in BI and Cloud Computing and Introduced new courses namely Scripting Languages, Social Mobile Analytics and Cloud (SMAC), Parallel Programming & Object Oriented Software Engineering and Testing

Notable Publications, Books, International Book Chapters, and Patents

International Journal Articles (most notable & recent ones)

- KMSBOT: enhancing educational institutions with an AI-powered semantic search engine and graph database. Soft Comput (2024). <https://doi.org/10.1007/s00500-024-10329-6>
- “Industry 5.0 Based on Hybrid and Nonlinear Systems in Robustness” (2024), International Journal of Intelligent Systems and Applications in Engineering, Vol. 12 No. 12s, 2024
- IoT cryptography with privacy-preserving ElGamal public key cryptosystem using oppositional artificial flora optimization algorithm. Multimed Tools Appl (2024). <https://doi.org/10.1007/s11042-024-18640-y>
- Similarities and Ranking of Documents Using TF-IDF, LDA and WAM, 2024 International Conference on Advances in Data Engineering and Intelligent Computing Systems (ADICS), 2024-04-18 conference-paper, DOI:
- Advancements in Artificial Intelligence for Knowledge Management. Proceedings of the 3rd International The 3rd Summer International Mini Conference on Careers in Applied Sciences & 1st Summer Symposium on Smart Health Spaces, Information Design, and Communication, THIRD ACM BOOK OF ABSTRACTS & POSTERS, SEP 2022, VOL 4
- “Predictive Analysis of Student Academic Performance and Employability Chances Using HLVQ Algorithm”, Journal of Ambient Intelligence and Humanized Computing, Vol. 12, No. 3, 2021, pp. 3789-3797 (SCI Indexed)
- “An Energy-Efficient Quantum Sunflower Optimization Based Clustering Algorithm for Internet of Things Environment”, International Journal of Future Generation Communication and Networking, Volume 14, 2021
- “Application of Multi-Dimensional Metric Model, Database, and WAM for KM System Evaluation” International Journal of Knowledge Management, Volume 8, Issue 4, 2014, pp. 1-21
- “Knowledge Sharing Portal Evaluation: An Extended Analysis of Knowledge Seekers’ and Experts’ Feedback”, International Journal of Web-Based Learning and Teaching Technologies (IJWLTT), 2012
- Futuristic Advancements in AI for Knowledge Management Systems and Multi Model Based Agent. International Journal on, Recent and Innovation Trends in Computing and Communication (2024), 11(11), 954–958

Books

- Basis of Data Warehousing and Data Mining & A Fast Track Guide & Software Project Management Saveetha University Press
- Knowledge Management System Frameworks and Metrics for KMS, Akhnik Publications, 2016
- Business Analytics & Text and Speech Processing

International Book Chapters

- “Success Models Using Knowledge Seekers’ and Experts’ Responses for Knowledge and E-learning Portals” In Revolutionizing Education through Web-Based Instruction, IGI Global, 2015, DOI: 10.4018/978-1-4666-9932-8.ch004
- “Fuzzy-Based Querying Approach for Multidimensional Big Data Quality Assessment”, Advances in Big Data and Computing, IGI Global, 2016, DOI: 10.4018/978-1-5225-008-6.ch001
- “The Role of AI-Based Integrated Physical Security Governance for Optimizing IoT Devices Connectivity in Smart Cities” In AI-Based Services for Smart Cities and Urban Infrastructure, IGI Global, 2021, pp. 289-309

Old / Filed Patents & New/Recent Patents

1. “Helmet Based IR Unlocking System” Intellectual Property India, Application #5243/CHE/2013
2. “Effective Knowledge Share Score” Intellectual Property India, Application #5232/CHE/2013
3. “Garbage Management System” Design Patent, Application #311274, IP India
4. “Stress Resilience Assessment and Training Agent”, Indian. Patent Appl#202441035607 A, Publication dated, 17/5/2024
5. “Three-Dimensional Evaluation Model for Assessing the Effectiveness of Knowledge Management Systems and Portals” (Indian. Patent Appl# 202241049097), Publication dated 9/9/2022

TECHNICAL TRAININGS/CERTIFICATIONS & TECHNICAL EXPERTISE

Certification/Course Name	Conducted By	Date(s)
Microsoft Windows	Computer Technical Institute	1st may 1993
Advanced Diploma in RDBMS – Certified with First Class on 1st November 2016	Indus Valley Systems	April 1st 1996 - Nov 1st 1996
Informix Dynamic Server System Administration	Informix, Boston	June 1st 1998 - June 6th 1998
Fast Track to Coldfusion	Allaire, Boston	March 1st 2000 - March 3rd 2000
Object Oriented Analysis and Design	Boston University	May 15th 2000 - May 18th 2000
Informix Extended Parallel Server System Administration	Informix	May 22nd 2000 - May 24th 2000
Java Programming Language	Sun Microsystems	Oct 23rd 2000 - Oct 31st 2000
IBM Db2 (UDB Certified on June 3rd 2013)	IBM, Boston	June 2nd 2003 - June 6th 2003
Mastering Rational ClearQuest Administration	IBM Bangalore	Oct 25th 2004 - Oct 27th 2004
Data Modeling and Data Warehousing tools	GIS, Chennai	Jan 17th 2005 - Jan 23rd 2005
Project Management Professional	PMI and QAI	Aug 10th 2005 - Aug 13th 2005
Oracle Database 10g – Real Application Clusters	Oracle, Bangalore	Nov 14th 2005 - Nov 18th 2005
ITIL Foundation(ITIL V2 Certified on Dec 9th 2006)	HP & Quint	Dec 7th 2006 - Dec 9th 2006
ITSM Master's - Services Support	HP & Quint	Jan 29th 2007 - Feb 2th 2007
ITSM Master's - Service Delivery	HP & Quint	March 5th 2007 - March 9th 2007
FLM-Getting Results Through People	Managing Consultant Integrative Ptd Ltd	Sep 17th 2007 - Sep 21st 2007
Managing Projects Professionally – 9 Knowledge Areas	PMI	Jan 3rd 2008 - Jan 6th 2008
ITIL Foundation in IT Service Management – (ITIL V3 Certified on 21st August 2012)	Satyam	Aug 20th 2012- Aug 21st 2012
Cyber Security & Malware Analysis	Saveetha University	March 21st 2014 -March 23rd 2014
Microsoft Hyper Vision – Virtualization	Dreams Plus	June 15th 2014 - June 16th 2014
Big Data Analytics	MIT, Chennai	Oct 30th 2015 - Nov 1st 2015
ABET Accreditation & Program Assessment Workshop	IEEE Education Society	September 28, 2015
Virtualization and Cloud Computing	IBM	April 6th 2016
R101 – R programming – Cognitive Class	Online	Certified on August 31st 2017
HADOOP 101 – Cognitive Class	Online	Certified on August 31st 2017
BIG DATA 101 – Cognitive Class	Online	Certified on September 8th 2017
WORKSHOP ON AI AND DEEP LEARNING	BENNETT UNIVERSITY	Completion Certification June 23 2018
M001: MONGODB BASICS	MONGODB University	March 2020
M103: BASIC CLUSTER ADMINISTRATION	MONGODB University	March 2020
TIPS FOR CLEARING PATENT AGENT EXAMINATION	VELAMMAL ENGINEERING COLLEGE	MAY 2020
Workshop on Internet of Things	360DigiTMG, India	July 6th 2020 to 10th July 2020
BIG DATA ON AWS, Business Analysis Basics, CLOUD SECURITY, Data Analysis With Python by IBM, Data Analytics with R Developing Solutions for Microsoft Azure, DEVOPS ON AWS CLOUD, DEVOPS ON AZURE, Google Cloud Platform Architect, Introduction to Cloud Computing, Mathematics and Statistics Essentials, Microsoft Azure Fundamentals, PGCP Agile Scrum Master & Programming Refresher	SimpliLearn	2023 & 2024

SUBJECTS/TECHNICAL TOPICS HANDLED SINCE 1992

Software Testing Methodologies	Software Architecture	Grid & Cloud Computing
Artificial Intelligence	Design & Operations of Data Center	IT Infrastructure Management
Database Management Systems	Data Warehousing	Data Mining
Software Project Management	Computer Graphics & Multimedia	Software Engineering
System Programming (Shell & C)	Data Structures	Operating Systems
Python Programming	PHP & MYSQL	Geographic Information Systems
User Interface Design	Computer Graphics & Multimedia	Big Data Analytics
Management Information Systems	Principles of Management	Total Quality Management
Open-Source Software Standards	XML & Web Services	Knowledge Management
Big Data Systems (HDFS, Hive, MR & others)	Business Intelligence	Python Programming
Predictive Analytics	Data Visualisation using Python & Power BI	Social Web Mobile Media Analytics
Natural Language Processing, Text & Speech Analysis	Software Testing	Software Architecture

KEY TECHNICAL STRENGTHS, PERSONALITY AND LEADERSHIP TRAITS

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|---------------------------------------|--------------------------------------|--------------------------------------|
| ✓ Global Technical Support | ✓ Unix Systems Administration | ✓ Project / Program Management |
| ✓ ITIL Service Delivery & Support | ✓ Unix Shell Scripting | ✓ Client Servicing & Cost Control |
| ✓ Infrastructure Management | ✓ Database Design & Administration | ✓ Cross-functional Coordination |
| ✓ Risk Assessment / Disaster Recovery | ✓ Remote IT Support & Administration | ✓ Processes Management |
| ✓ Knowledge Management / Transfer | ✓ Resource Mobilization | ✓ Configuration & Release Management |
| ✓ Security & Quality Policies | ✓ Systems and Database Sizing | ✓ Data Warehousing, Data marts & BI |
| ✓ Vendor & Stakeholder Relations | ✓ HR Functions / People Management | ✓ Versatile Leadership |
| ✓ Results-Oriented | ✓ Dedication | ✓ Integrity |
| ✓ Inspire Others | ✓ Creativity | ✓ Aggressive |
| ✓ Out of Box Thinking | ✓ Assertiveness | ✓ Negotiation |
| ✓ Problem Solving | ✓ Presentation | ✓ Motivation |

IT INFRASTRUCTURE MANAGEMENT

# of Unix & Windows Servers: 200+	# of CC/CQ Multi-site Servers: 8	# of Oracle RAC installs: 4
# of Oracle & Informix Databases: 300	# of Migrations (OS & DB) : 150	# of MSSQL Cluster installs: 4
# of Sybase, MSSQL & UDB Servers: 25	# of Virtual Environments: 15	# of Backup implementations: 15

● LEADERSHIP CANDIDATURE HIGHLIGHT

As a visionary academic leader with over three decades of integrated experience across teaching, research, institutional development, and global industry collaboration, I aspire to take on the role of a senior leader to lead transformative initiatives that align with NEP 2020, NAAC, NBA & NIRF frameworks.

I bring a proven blend of academic excellence, administrative acumen, technological foresight, and social responsibility to shape a future-ready institute ecosystem. I am deeply committed to inspiring students and faculty alike through a shared vision that promotes intellectual curiosity, innovation, and purpose-driven learning in an inclusive and supportive environment.

By fostering a culture of collaboration, well-being, and continuous growth, I aim to create a cohesive academic community where individuals thrive, contribute meaningfully, and take pride in their institutional identity.

● STRATEGIC OBJECTIVES

- *Academic Innovation & NEP Implementation: Revamp curriculum and teaching methods aligned with NEP 2020, introducing multidisciplinary learning, credit mobility, and digital education models integrated with AI and Data Science.*
- *Institutional Ranking and Global Footprint: Propel the Institute to higher NIRF rankings, expand global outreach through international collaborations, MoUs, and joint research programs, and actively participate in global innovation forums.*
- *Research & Innovation Ecosystem: Establish Centers of Excellence, Incubation Cells, and promote a culture of applied research, IPR filings, product development, internship and interdisciplinary publications to position the institute as a research hub.*
- *Faculty Development and Empowerment: Launch continuous professional development programs, support advanced research grants, and foster collaborative teaching models to upskill faculty in alignment with industry and future skills.*
- *Student-Centric Growth and Employability: Introduce skill-building initiatives, mentorship frameworks, and industry internship pipelines to ensure graduates are career-ready and capable of contributing meaningfully to society and the economy.*
- *Digital Transformation & Automation: Leverage my experience in IT infrastructure to digitize academic operations, student lifecycle management, ERP systems, and data-driven decision-making across departments.*
- *Industry Integration & Leadership Development: Draw upon years of managing high-performance teams in industry settings to foster strong academia-industry interfaces, leadership pipelines, and real-world learning exposure—bridging the gap between institutional goals and industry needs.*
- *Ethical Leadership & Inclusive Governance: Uphold the highest standards of transparency, accountability, and fairness, and promote inclusive policies for students and staff from diverse backgrounds, including rural and underprivileged segments.*
- *Strategic Academic Administration & Leadership: Leverage my extensive experience as Head and Dean to drive outcome-based academic planning, cross-functional team leadership, policy implementation, and accreditation readiness—ensuring operational excellence and academic rigor.*

● WHY I STAND OUT AS A SENIOR ACADEMIC LEADER/DIRECTOR

- *Multi-domain Expertise across academia, technology, research, and administration — a rare blend needed to navigate today's complex higher education landscape.*
- *Track Record of Transformation: From curriculum reform and NBA/NAAC coordination to in-house product development, social outreach, and faculty empowerment — I have consistently driven tangible and sustainable impact.*
- *Global Outlook with Local Roots: Having worked with institutions across India and abroad, I offer a global perspective grounded in Indian educational values and needs.*
- *Servant Leadership Style: Widely recognized as a caring mentor and admired professor, I lead by example, prioritizing empathy, student success, and institutional upliftment over titles and hierarchy.*
- *Collaboration & Capacity Building: Successfully delivered faculty development programs and advanced postgraduate data science modules in partnership with global academic and industry leaders such as IBM ICE and PHEMEsoft, empowering educators with future-ready skills.*
- *Research & Innovation Leadership: Spearheaded and contributed to multi-million-dollar, multi-national projects, leading interdisciplinary teams across the USA, Europe, Japan, and India — demonstrating strategic project execution, innovation delivery, and cross-cultural coordination at scale.*