



D. Mahaboob Basha, M.Sc., UGC NET, APSET, (Ph.D.)

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 Kurnool, Andhra Pradesh, India

Career Objective

I have over 13 years of experience in teaching Computer Science and have also served as an Assistant Professor. With expertise in programming, data science, machine learning, artificial neural networks, and emerging technologies, I place strong emphasis on academic quality, student mentorship, and research. My primary objective is to contribute to students' personal development and to the growth of the institution through innovative teaching, research advancement, and professional engagement.

Qualifications

- Ph.D. Pursuing in Computer Science and Technology Department, Dravidian University (Inter State Institution), Kuppam, Andhra Pradesh.
- M.Sc. (Computer Science), Rayalaseema University, Kurnool, Andhra Pradesh.
- UGC-NET (National Eligibility Test) in Computer Science & Applications.
- APSET (Andhra Pradesh State Eligibility Test) in Computer Science & Applications.

Areas of Interest

- Artificial Intelligence
- Data Science
- Cyber Security
- Machine Learning
- Generative AI
- Big Data
- Deep Learning
- Quantum Computing

Courses Taught

- Object-Oriented Programming using Java
- Data Structures
- Python Programming
- R Programming
- Data Mining
- Cloud Computing
- Web Application Development using PHP & MySQL
- Artificial Neural Networks
- Fundamentals of Data Science
- Mobile Application Development Using Android
- Operating Systems
- Software Engineering

Teaching Experience

- Worked as Guest Faculty for PG courses in the Department of Computer Science & Applications at Rayalaseema University from December 2022 to March 2023 and again from November 2023 to March 2024.
- Worked as a Faculty Member in General Studies and General Awareness for various competitive examinations in multiple coaching centers.
- Joined as Assistant Professor in the Department of Computer Science & Applications at St. Joseph's Degree College (July 2025 – Present). Previously worked as Assistant Professor in the Department of Computer Science & AI at the Central University of Andhra Pradesh, Anantapuramu (September 2024 – May 2025).

Other Academic and Administrative Engagements

- Served as Member of the Placement Cell from June 2017 to April 2019.
- Served as Placement Officer from June 2022 to July 2024.
- Worked as Resident Warden for the Boys' Hostel at the Central University of Andhra Pradesh.
- Served as Member of the Annual Sports Meet Committee-2025 at the Central University of Andhra Pradesh.
- Served as Organizing Member for the One-Day Workshop on “**Accelerate Your AI Journey: Machine Learning with Python**”, organized by the Department of Computer Science & Artificial Intelligence, Central University of Andhra Pradesh, held on 29th March 2025.

Faculty Development Programs / Workshops/Conferences Attended

- Participated in the **National-level DST-Sponsored Workshop on Challenges in Data Science and M.Sc. (Data Science) Course Curriculum Development**, held on 29th–30th January 2016, organized by the Department of Computer Science, Rayalaseema University, Kurnool.
- Participated in the 2nd National-level **DST-Sponsored Workshop on Challenges in Big Data Analytics**, held on 24th–25th June 2016, organized by the Department of Computer Science, Rayalaseema University, Kurnool.
- Participated in the **3rd National Workshop on R Programming** at Rayalaseema University, Kurnool (Nov-2016), gaining hands-on experience in **data analysis, statistical computing, and R programming applications**.
- Participated in the Two-Week Workshop on **Data Science for UG Faculty of Computer Science**, held from 30th October 2017 to 13th November 2017 at St. Joseph's Degree College, Kurnool.
- Attended the **DST–SERB Sponsored Two-Day National Symposium on “Towards an AI-Enabled Society: Opportunities and Responsibilities”**, held on 22nd–23rd February 2024 at Dravidian University, Kuppam, Andhra Pradesh.
- Attended and presented a paper titled “**Sentiment Analysis Based Fake Online Reviews Detection**” at the Two-Day National Seminar on “**Digital Transformation and the Future of India’s Economy (DTFIE)**”, organized by the Department of Economics, Central University of Andhra Pradesh, held on 29th–30th November 2024.
- Presented a paper on “**Prediction of Brain Tumour Using Deep Learning in Medical Image Analysis**” at the 6th International Conference on Innovative Product Design and Intelligent Manufacturing Systems (IPDIMS), NIT Rourkela, 4th–5th December 2024.

- Received the **Presentation Award** at the International E-Conference on Global Trends in Multidisciplinary Research (Engineering, Medical & Nursing Sciences, Humanities, and Law) for the paper titled **“Plant Leaf Disease Detection Using Machine Learning Techniques”** on January 25, 2025.
- Presented a research paper titled **“Exploring Enhanced Sustainable Agriculture for Leaf Disease Detection Using Machine Learning”** at the **AICTE Sponsored National Conference on Innovations in AI & ML**, held at SSGS Degree College (Autonomous) on **19–20 December 2025**.
- Attended the AICTE–ATAL Faculty Development Program (FDP) on **Artificial Intelligence in Data Science**, December 2024.
- Participated in the Two-Day Workshop on **“Design Thinking for Innovation: A Hands-on Approach to Problem Solving”**, organized by the Department of Computer Science & Artificial Intelligence, Central University of Andhra Pradesh, held on 4th–5th April 2025.
- Participated in the Two-Day Workshop on **“AI and Data-Driven Decision Making for Mass Employability and Evolving Industry Needs”**, organized by the Department of Economics, Central University of Andhra Pradesh, Ananthapuramu, held on 11th–12th April 2025. Successfully completed both theoretical and hands-on training in STATA, SPSS, Power BI, and R Programming.
- Successfully completed the 1-Day Workshop on **“Generative AI Mastery”**, organized by World Technocon in association with Tinkerer’s Lab (IIT-HYD), held at **Indian Institute of Technology (IIT) Hyderabad** on 9th March 2025.
- Completed 3-Credit (40 Hours) Faculty Development Programme on **“QT-02: Foundations of Quantum Technologies”** conducted by Electronics and ICT Academy MNIT Jaipur and Andhra Pradesh State Council of Higher Education (Sept–Oct 2025); performance rated Excellent; recognized for API under CAS (AICTE/UGC endorsed).
- Completed **60 Hours (3-Credit equivalent) Faculty Development Programme on “QT-03 & QT-04: Basic Quantum Programming and Technologies Lab”** (October 27 – November 29, 2025) conducted by Electronics and ICT Academy MNIT Jaipur in association with Andhra Pradesh State Council of Higher Education; performance rated Excellent; funded by MeitY and endorsed by AICTE/NQM/UGC.
- Completed **40 Hours (3-Credit equivalent) Faculty Development Programme on “QT-05: Quantum Computation”** (December 08 – December 31, 2025) conducted by Electronics and ICT Academy MNIT Jaipur in association with Andhra Pradesh State Council of Higher Education; performance rated Excellent; funded by MeitY and endorsed by AICTE/NQM/UGC.
- Completed **40 Hours (3-Credit equivalent) Faculty Development Programme on “QT-06: Quantum Communication”** (January 5– January 31, 2026) conducted by Electronics and ICT Academy MNIT Jaipur in association with Andhra Pradesh State Council of Higher Education; performance rated Excellent; funded by MeitY and endorsed by AICTE/NQM/UGC.
- Registered for NPTEL and UGC courses on the SWAYAM platform.
- Successfully completed a **12-week Faculty Development Program (FDP) on Deep Learning** conducted by Indian Institute of Technology Ropar through NPTEL (**Jul–Oct 2025**).
- Completed a 40-hour offline Faculty Development Programme (FDP) on **“Advances in Quantum Technologies,”** organized by the **Electronics & ICT Academy at IIITDM Kurnool in association with PDPM IIITDM Jabalpur** (November 24–29, 2025).
- Completed a One-Week FDP on **Quantum Technology at Rayalaseema University & Cluster University, Kurnool**, with A grade, gaining knowledge of quantum computing concepts and algorithms (**Feb 2026**).

- Presented paper on **Explainable ML for crop yield prediction & resource optimization** at a National Conference (NCETAINS-2026) on March 31, 2026, Santhiram Engineering College, published in proceedings (ISBN: 978-81-956102-7-3).
- Completed a 44-hour (3-credit equivalent) **Faculty Development Programme on Quantum Materials (QT-08) from March 9 – April 2, 2026**, organized by premier institutes (MNIT Jaipur, IIT Kanpur, NIT Patna, IIITDM Jabalpur) in collaboration with Tata Consultancy Services and IBM; achieved Excellent performance.
- Completed a 44-hour (3-credit equivalent) Faculty Development Programme on **“Engineering Foundations of Quantum Technologies (QT-09)”**, conducted from **April 10 – May 02, 2026**, organized by IIT Kanpur, IIT Roorkee, IIT Guwahati, MNIT Jaipur, and IIITDM Jabalpur; achieved **Excellent** performance.
- Completed a Six-Day FDP on **Quantum Resilient Internet: Securing the Future of AI-Driven Cyber Defense (April 06–11, 2026)**, focusing on emerging intersections of **quantum computing and AI-driven cybersecurity**.
- Completed a 40-hour (3-credit) FDP on **QT-10: Solid State Physics for Quantum Technologies** (May 2026) with an Excellent grade, organized by MNIT Jaipur, IIT Kanpur, IIT Roorkee, and NIT Patna.
- Completed a **national-level hands-on workshop on Quantum Programming (1–2 June 2026)**, **organized by the School of Electronics Engineering, VIT Vellore, and conducted by C-DAC Pune**, gaining practical exposure to quantum computing principles, qubit operations, quantum circuits, and emerging quantum technologies.

Publications, Paper Presentations and Patents:

- Authored and published 10 research papers in reputed national and international journals.
- Presented research papers in 3 national and international seminars/conferences.
- Patents:01 Published
Google Scholar URL: <https://scholar.google.com/citations?hl=en&user=YGobEQgAAAAJ>
ORCID: <https://orcid.org/0009-0003-1037-4276>

Books Publications:

Contributed as co-author to **Neural Network and Deep Learning**, covering foundational and advanced topics including deep learning overview, associative memory models, unsupervised learning networks, and modern neural architectures.

ISBN Number:9788168630239

Contributed as Co-authored **Quantum Computing: Principles and Emerging Applications**, covering quantum computing fundamentals, qubit systems, quantum algorithms, and real-world industry applications.

ISBN Number:(Under Publishing)

Technical Profile:

- **Programming Languages:** Java, C, C++, Python, R
- **Frameworks:** Struts, Spring / Spring Boot
- **Web Servers:** Apache Tomcat 5.5
- **Application Servers:** BEA WebLogic 9.0, JBoss 3.2.3
- **Web Technologies:** JDBC, Servlets, JSP, HTML, XML

- **Operating Systems:** Windows, Linux, Unix
- **Databases:** Oracle, MySQL, MongoDB
- **Tools & IDEs:** Eclipse IDE, EditPlus, Notepad++, Jupyter, Orange, WEKA.

DECLARATION

I hereby declare that the above written particulars are true to the best of my knowledge and belief.

Date:

(D.Mahaboob Basha)