

# A. VISWANATHA RAO

Computer Science Lecturer | Researcher | Academic Professional

✉ viswam\_a@yahoo.co.in | viswam.ayyapuraju@gmail.com | ☎ +91 8008665028  
📍 G1, Abhi's Srinivasam, Ganesh Nagar, B.Camp, Kurnool – 518 002, Andhra Pradesh

## PROFESSIONAL SUMMARY

Dedicated and results-oriented Computer Science Lecturer with 12+ years of teaching experience at the undergraduate level. Passionate about integrating emerging technologies — including AI, Data Science, and Quantum Computing — into the classroom. Active researcher with published journal articles, a pending patent, and consistent participation in national-level faculty development programs.

## WORK EXPERIENCE

### Lecturer in Computer Science

St. Joseph's Degree College, Sunkesula Road, Kurnool

June 2013 – Present

#### Key Responsibilities:

- Delivering undergraduate-level Computer Science courses across theory and lab sessions
- Mentoring students in programming, databases, and emerging technologies
- Conducting research and contributing to faculty development initiatives
- Participating in national seminars, workshops, and FDP programs

12+ Years Experience

## EDUCATION

### Master of Computer Applications (MCA)

Osmania University

2007

### Master of Arts – Public Personal Management

Osmania University

2004

## TECHNICAL SKILLS

Operating Systems	Windows, DOS, UNIX
Programming Languages	C, C++, C#, Java, R, Python
Databases	MS Access, MySQL, Oracle 11i, SQL Server
GUI / Frameworks	Visual Basic, Visual Studio .NET, Developer 2000
Internet Technologies	HTML, DHTML, CSS, XML, PHP
ML Frameworks	TensorFlow, PyTorch, Scikit-learn
Data Tools	Pandas, NumPy, Matplotlib

## RESEARCH & PUBLICATIONS

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### Journal Articles

- Rao, A.V. (2018). "An Overview of Mining Competition and Management Practices of Unstructured Datasets." JETIR, Vol. 5, Issue 7. [ISSN: 2349-5162 | Impact Factor: 5.87 | UGC Approved]
- Rao, A.V. (2019). "Exploring Social Media Strategy in Indian Election Results with Sentiment Analysis over Twitter Data." IJR Journal, Vol. VIII, Issue VI.
- Rao, A.V. (2025). "Implementing Adaptive Blockchain and Federated Analytics for Secure Cloud-Edge IoT Data Validation." IJSR Journal, Vol. 14, Issue 12. [ISSN: 2319-7064]

### Patent

- "Tracking the Maximum Power Point of Photovoltaic Grids using Machine Learning and IoT" — Application No. 202241058661, Filed: 13-Oct-2022. Status: Pending Approval (Government of India).

## PROFESSIONAL DEVELOPMENT & TRAINING

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### Faculty Development Programs (FDPs)

- 40-Hour FDP on "Advances in Quantum Technologies" — IIITDM Kurnool & PDPM IIITDM Jabalpur (Nov 2025, Physical Mode)
- 60-Hour FDP on "Basic Quantum Programming and Technologies Lab" — Electronics & ICT Academy, MNIT Jaipur & APSCHE (Oct–Nov 2025, Virtual Mode)
- 40-Hour FDP on "Foundations of Quantum Technologies" — Electronics & ICT Academy, MNIT Jaipur & APSCHE (Sep–Oct 2025, Virtual Mode)
- 40-Hour FDP on "AI – A Practical Approach for Teaching & Learning" — HUB E & ICT Academy, NIT Warangal, in association with IIITDM Kurnool (Apr 2025, Physical Mode)
- National-Level FDP on "Exploring the Facts in Writing a Research Article" — St. Joseph's Degree College, Kurnool (Jun 2020)
- AICTE-Approved FDP on "Use of ICT in Education for Online and Blended Learning" — IIT Bombay (May–Jul 2016)

### Workshops & Seminars

- 3-Day Residential Training on "Machine Learning and Artificial Intelligence for Different Sectors" — APHRDI, Bapatla (Feb 2019)
- 2-Week Workshop on "Data Science" for UG Faculty — St. Joseph's Degree College, Kurnool (Oct–Nov 2017)
- 2-Day National Workshop on "Geospatial Technology for Resource Management" — Dept. of OR & SQC, Rayalaseema University (Oct 2017)
- 3-Day National Workshop on "Data Analytics" — Dept. of Computer Science, Rayalaseema University, Kurnool (Dec 2016)
- 3-Day National Workshop on "R Programming" — Dept. of Computer Science, Rayalaseema University, Kurnool (Nov 2016)
- National Seminar on "Role of ICT in Open and Distance Learning in Digital India" — Sai Educational Rural & Urban Development Society, Kurnool (Jul 2016)

## PERSONAL DETAILS

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<b>Date of Birth</b>	1st August 1970
<b>Languages Known</b>	Telugu, English, Hindi
<b>Nationality</b>	Indian

### Declaration

*I hereby declare that all the information provided above is true and correct to the best of my knowledge and belief.*

Place: Kurnool

Date: \_\_\_\_\_

**(A. Viswanatha Rao)**