

GUMMADI RAMESH

AI Researcher, Assistant Professor

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SUMMARY OF QUALIFICATIONS

- Highly motivated and detail-oriented IT professional with a strong educational background, holding dual postgraduate degrees in Computer Applications (MCA) and Technology (M.Tech). Proficient in software development, programming languages, and cutting-edge technologies. Seeking a challenging role in a reputable software organization where I can utilize my skills and knowledge to drive innovation and growth.

EDUCATION

JNTU KAKINADA University – Andhra Pradesh, INDIA Apr 2025

Master of Technology (M.Tech)

Concentration: Artificial Intelligence

Cumulative GPA: 8.5/10

Relevant Coursework: Advanced Programming, Artificial Intelligence(AI) Fundamentals, Optimization Techniques, Machine Learning, Programming for Technologies, Generative AI.

DR BR Ambedkar University – Andhra Pradesh, INDIA Jan 2022

Master of Computer Applications (MCA)

Concentration: Computer Applications

Cumulative GPA: 7.88/10

Relevant Coursework: Programming Languages(C,Java,Python) Data Structures and Algorithms, Operating Systems(Windows, Linux) Database Management Systems, Computer Networks, Web Technologies(HTML, CSS, Java Script).

TECHNICAL PROFICIENCIES

Skills : Gen AI | Machine Learning | Data Science | Natural Language Processing | Deep Learning | RAG | Agentic AI

Algorithms & Statistical Techniques: Logistic Regression | Linear Regression | Decision Tree | Random Forest | Support vector

Machine | k-Nearest Neighbors | Neural Networks | Clustering | CNN | ANN | Natural Language Processing

Libraries: Numpy | pandas | SciKit-learn | Tensorflow | Matplotlib | Seaborn | OpenCV | Face-Recognition

Web App development: Flask and Streamlit web App development

Front-end(Client-side): HTML | CSS

Programming Languages: Python | Java

RESEARCH WORK

- **Faculty-Guided Generative AI Framework for Immersive Classroom Education: A Conceptual Framework**

PROJECTS:

1. Fake News Detection Using Machine Learning -

Technologies: Python, Scikit-learn, NLP, Pandas

- Developed a binary classification model to identify fake and genuine news articles.
- Applied text preprocessing, TF-IDF vectorization, and feature engineering.
- Trained and evaluated multiple machine learning models for accuracy optimization.
- Built a web interface for real-time prediction.

2. RAG-Based Intelligent Document Assistant

Technologies: LangChain, ChromaDB, OpenAI API, FastAPI

- Built a Retrieval-Augmented Generation (RAG) system for querying PDF and document repositories.
- Implemented semantic search using vector embeddings and vector databases.
- Enabled contextual question answering with source-based responses.
- Deployed APIs for enterprise knowledge management applications.

3. AI-Powered Instagram Content Automation System

Technologies: n8n, OpenAI API, Instagram Graph API, Google Sheets

- Designed and implemented an automated Instagram content publishing workflow using n8n.
- Automated content generation, caption creation, hashtag optimization, and scheduled post publishing.
- Integrated AI models for generating engaging social media content.
- Reduced manual posting effort through end-to-end workflow automation.
- Implemented monitoring and logging for workflow reliability.

List Of class Room Level Projects:

Sonar Rock and Mine Prediction, House Price Prediction, Diabetes Prediction and etc

RELEVANT EXPERIENCE

GIET Institutions(Godavari Global University) - Rajamahendravaram, Andhra Pradesh, INDIA **Jan 2022 – Jan 2025**

Assistant Professor | IT Developer

- Taught computer science courses, developed curriculum, mentored students, coordinated IT infrastructure, maintained college website, and developed in-house applications, including a college attendance system, to enhance operational efficiency and student experience.

List Of Subjects taught: JAVA Programming Language, Data Base Management Systems, Web Technologies, Software Engineering.

Six Phrase-VERANDA **Freelancer** **Jan 2025 -May 2025**

Technical Trainer | JAVA Expert | AI Expert

- Highly motivated and experienced technical trainer with a strong background in Java programming. Proven track record of delivering high-quality training sessions, creating engaging learning materials, and mentoring students to achieve their goals. Skilled in Java, object-oriented programming, and software development. Possesses excellent communication, interpersonal, and problem-solving skills

- **List Of Colleges taught:**

Dayanand Sagar University- Bangalore

Jain Deemed University - Bangalore

Geetanjali Engineering College- Hyderabad

College Dekho-ImaginXP (Assistant Professor) **June 2025 - Present**

Java SME | Tech Expert | AI Expert

- Dedicated Tech Expert and Faculty at CollegeDekho committed to empowering students. Specializing in one-on-one mentorship, I provide tailored guidance and strategic connections, significantly contributing to student development and their successful integration into relevant fields.

- **List Of Colleges taught:**

Impact Engineering College- Bangalore

Dev Bhoomi Uttarakhand University - Dehradun

List of Subjects taught: Artificial Intelligence ,Machine Learning , Software Engineering, Probability & Statistics,Data Mining

Soft Skills:

- Problem-solving and debugging , Communication and teamwork, Time management and Adaptability, Agile development Methodologies, Code review and feedback.

Tools and Software:

IDEs: Colab, Visual Studio Code **Project Management Tool:** Jira **Version Control system:** GitLab

Achievements and Certifications

- **International Conference on Advance in Multidisciplinary Engineering (ICRAME-2026)- Certificate Of Research Paper**
- Programming JAVA Certificated by NPTEL - IIT Kharagpur
- Course Completion AI, ML, DL Certified by -Udemy
- Gen-AI Beginers Guide - Udemy
- Gen-AI Development Faculty Development Program - Godavari Global University-Rajhamundry.
- Web Developer Course HTML CSS JavaScript Learn Web Design Certified by - Udemy