

# Padala L M Ramachandra Reddy

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## PROFESSIONAL SUMMARY

Motivated and detail-oriented MCA graduate specializing in Artificial Intelligence, Machine Learning, and Full-Stack Development, seeking an entry-level Software Engineer/AI Engineer role where I can apply my programming, problem-solving, and scalable application development skills to build innovative solutions while continuously learning and growing in a dynamic organization.

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## EDUCATION

### ATRIA INSTITUTE OF TECHNOLOGY

Master of Computer Applications

Bengaluru, India

Expected May 2026

### ADITYA DEGREE COLLEGE

Bachelor of Computer Applications

Kakinada, India

Relative Courses: *Entrepreneurship, Tally*

Dec 2021 – May 2024

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## TECHNICAL SKILLS

**Programming Languages:** Python, Java, C, JavaScript

**AI & Machine Learning:** Machine Learning, Deep Learning, NLP, Scikit-learn, TensorFlow, PyTorch, Pandas, NumPy, BERT

**AI & LLM Integration:** OpenAI API, Prompt Engineering (Basic), NLP Pipelines, Text Classification, Model Integration

**Frontend Development:** HTML5, CSS3, JavaScript, React.js, Responsive Design, Tailwind CSS

**Backend Development:** Node.js, Flask, Django, FastAPI (Basic), REST API Development, API Integration

**Frameworks & Libraries:** React.js, Express.js, Next.js, Flask, Django, FastAPI, TensorFlow, PyTorch

**Databases:** MongoDB (Basic), Firebase Realtime DB, Supabase (PostgreSQL)

**Tools & Technologies:** Git, GitHub, Postman, Version Control, Debugging, Agile Methodology

**Data Visualization:** Matplotlib, Seaborn

**Deployment & Hosting:** Vercel, Netlify (Basic)

**Soft Skills:** Problem Solving, Communication, Teamwork, Adaptability, Time Management, Attention to Detail

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## EXPERIENCE

### PAT Technologies Pvt. Ltd. — Bengaluru, India

#### Artificial Intelligence Intern | Feb 2026 – Present

- Developing AI-based solutions using Machine Learning, data analysis, and real-world problem-solving through live project implementation.
- Applying core AI concepts to build and evaluate models while working with structured datasets and modern ML tools.
- Collaborating with mentors and peers in project-driven environments, strengthening programming, teamwork, and scalable model development skills.

### CodeClause — Kakinada, Andhra Pradesh, India

#### Web Development Intern | Sep 2025 – Oct 2025

- Developed responsive web applications using HTML, CSS, JavaScript, and modern frontend practices for improved usability.
- Integrated RESTful APIs and collaborated with backend teams to ensure smooth data flow and system communication.
- Participated in Agile development, debugging, and code reviews to enhance performance and gain hands-on full-stack development experience.

**Adhoc Network Tech Company — Visakhapatnam, Andhra Pradesh, India**

**Machine Learning Intern | Jan 2024 – Jun 2024**

- Applied Machine Learning techniques using Python for data preprocessing, exploratory data analysis, and feature engineering.
- Built and evaluated predictive models, improving understanding of model optimization and performance evaluation.
- Worked with real-world datasets and followed end-to-end ML workflows to strengthen data-driven problem-solving skills.

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## PROJECT EXPERIENCE

### ToxiNetX — AI Content Safety & Moderation System

- Developed an AI-based moderation system to detect toxicity, hate speech, and cyberbullying using NLP and Machine Learning models.
- Built real-time moderation workflows and applied NLP pipelines to improve detection accuracy and automated content filtering.

### EduMatriX — Academic Management Portal

- Designed and developed a role-based academic portal with dashboards for students, faculty, and administrators using modern web technologies.
- Implemented modular architecture and secure access control to ensure scalability, maintainability, and smooth academic workflow management.

### MedScanX — AI-Powered Medical Scan Analysis Platform

- Built an AI-driven platform to analyse medical scans and generate diagnostic insights using multimodal AI models.
- Implemented secure authentication, file upload, and storage workflows focusing on data privacy and system scalability.

### PlateX — AI Nutrition & Diet Analysis Application

- Developed an AI-based web application for food recognition and nutrition estimation using image analysis techniques.
- Implemented personalized diet tracking and intelligent nutritional insights with interactive UI and backend integration.

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## LEADERSHIP EXPERIENCE AND ACHIEVEMENTS

**Technical Coordinator — FXC Club, MCA:** Led technical initiatives, mentored students in project development, and organized workshops/events to promote practical learning and innovation.

**Organizer — State-Level Hackathon (CUEST Event):** Coordinated planning, logistics, and technical support to successfully execute a large-scale hackathon with smooth participant engagement.

**Coordinator — No-Code Challenge (CUEST Event):** Organized and managed a no-code innovation challenge, encouraging rapid prototyping, creativity, and problem-solving among participants.

**Participant — CICADA Agentic AI Competition:** Built innovative AI solutions and demonstrated strong problem-solving, teamwork, and real-world AI application skills.

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## DECLARATION

I do hereby declare that the above information is true to the best of my knowledge. Finally, I request the concerned authorities to provide me a chance to prove the best of myself. I shall ever be thankful to you.

**Padala L M Ramachandra Reddy**