

Kakarla Charith

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PROFESSIONAL SUMMARY

Full-Stack Developer & AI Engineer skilled in Python, React.js, and Machine Learning frameworks including TensorFlow and Scikit-learn. Experienced in architecting scalable AI systems and deploying microservices via Docker, FastAPI, and Firebase. Led cross-functional teams to deliver production-grade projects like the KMRL Document System. Ranked in the top 5% nationally in algorithmic coding competitions.

EDUCATION

VNR VJIET, Hyderabad

B.Tech in CSE - Artificial Intelligence and Machine Learning — CGPA: 8.50 — Aug 2023 – Present

EXPERIENCE

Innovation Intern — VJ Startups

Feb 2026 – Mar 2026

- Developed REST APIs and automation pipelines, reducing manual effort by 60% in RFP processing workflows.
- Integrated LLM-based modules for intelligent data extraction and automated proposal generation.
- Designed modular backend components to support scalable RFP processing workflows.
- Collaborated in an agile team environment with weekly deliverables and iterative improvements.

Intern – Field Coordinator, Voice 4 Organization

Jun 2025 – Jul 2025

- Managed reporting workflows across 5+ stakeholders ensuring 100% submission compliance.
- Led a 3-member team and reduced issue escalation time by 40% through improved coordination.
- Coordinated field operations and ensured timely execution of outreach activities.
- Identified and resolved on-ground issues to maintain smooth workflow execution.

PROJECTS

ThyroRAG

GitHub

- Designed a CatBoost-based model using 28+ clinical features for thyroid disease prediction.
- built a RAG-powered medical chatbot with Qdrant and a FastAPI + React platform for report analysis and health tracking.

Tech: Python, FastAPI, React.js, LLMs, RAG, NLP, Qdrant, Supabase, Clerk

ProcureAI

GitHub

- Architected a LangGraph-based multi-agent system to automate scraping and evaluation of government tenders.
- Implemented a RAG pipeline with Qdrant for semantic search and downsized manual screening effort by 70%.

Tech: Python, LangGraph, Qdrant, RAG, LLMs, FastAPI, Web Scraping

RFP Automation

GitHub

- Created end-to-end RFP lifecycle including requirement extraction, pricing, and proposal generation.
- Automated an AI-driven system (FastAPI + React) using vector search to generate submission-ready proposals.
- Enhanced proposal accuracy and cut down manual errors by automating requirement validation and data extraction.

Tech: Python, Flask, React.js, PostgreSQL, Redis, Docker, OCR, REST APIs, BeautifulSoup

TECHNICAL SKILLS

Languages: Python, C, C++, JavaScript, Java, SQL

Frameworks & Libraries: React.js, Node.js, Express.js, Tailwind CSS, FastAPI, TensorFlow, Scikit-learn

Databases & Cloud: MongoDB, PostgreSQL, Firebase, Supabase, Qdrant, Vector DB

AI/ML Tools: Hugging Face, OpenAI API, Google Gemini, DeepSeek API, LangGraph, RAG Pipelines

Developer Tools: Git, GitHub, Docker, Postman, OpenCV

Core Competencies: Data Structures & Algorithms (DSA)

ACHIEVEMENTS & CERTIFICATIONS

- **Startup Expo – AI Week:** Secured 1st place for presenting an AI-based solution
- **SynthVision Hackathon – AI Week:** Achieved 1st place by developing an AI prototype
- **Amazon ML Challenge:** Ranked 145 among 10,000+ teams in ML competition
- **Agentathon 2025:** Advanced to Round 2 among 600+ teams in global AI hackathon
- **Innovation Internship – VJ Startups:** Secured 1st position for outstanding performance in AI-driven project development