UMA MANI PRAHARSHITHA MANGIPUDI

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OBJECTIVE

Aspiring Software Engineer pursuing B.Tech (CSE) and BS in Data Science, with strong interest in AI, full-stack development, and problem-solving. Skilled in building end-to-end applications and seeking opportunities to apply and grow in a dynamic environment.

EDUCATION

Bachelor of Technology in Computer Science Engineering *2023 – 2027*
University College of Engineering Kakinada (JNTUK) *CGPA: 9.2/10*

Bachelor of Science in Data Science *Ongoing*
IIT Madras *CGPA: 8/10*

EXPERIENCE

Infosys Springboard — Full Stack Development Intern (MERN, JWT, Git, Postman) Sep – Nov 2024
Developed a College Event Management Portal using the MERN stack with secure JWT authentication, enabling event creation, registrations, and role-based access.
Collaborated with a team of 7 to design backend APIs, improve UI workflows, and ensure seamless integration across modules.

SKILLS

Technical Skills	Python, C, Java, Data Structures & Algorithms, Git, GitHub, Postman, VS Code
Web Development	HTML, CSS, JavaScript, React, Node.js, Flask, MongoDB, SQL, REST API, Firebase, Figma (UI Design), JWT, API Integration, Flutter
AI/ML	RAG Systems, Machine Learning Basics, Automation Pipelines
Soft Skills	Quick Learner, Problem Solving, Teamwork, Time Management, Leadership

PROJECTS

RAG-Based Multi-Modal QA System | Python, FastAPI, ChromaDB, Gemini GitHub

Built a multi-modal RAG system with PDF/DOCX/CSV/Image ingestion, OCR, vector search, and ChromaDB.

Used Gemini for context-aware answer generation with reranking for improved accuracy.

AI Interview Automation Pipeline | Flutter, FastAPI, Firebase, Gemini, Google Drive, Sheets API GitHub

Automated ATS scoring, resume insights, and reporting using Gemini + Drive/Sheets API.

Developed a multi-step pipeline for interview evaluation and email-based result delivery.

CareerGuidance Roadmap Generator | React, Node.js, Firebase, Gemini Live | GitHub

Built an AI system generating personalized career roadmaps with interactive visual flows.

Integrated Gemini API for adaptive suggestions and Firebase for user data and hosting; used by 50+ students.

CERTIFICATIONS

IIT Madras: Data Science Foundation & Diploma — Foundation — Diploma; edX: CS101 — Certificate

NPTEL: DSA using Python — Certificate; Coursera: Python for Data Analysis — Certificate

HONORS AND ACHIEVEMENTS

JEE Mains AIR 35,000 (97%ile), JEE Advanced Qualified; AP EAPCET 1178, TS EAMCET 1161. Girl Representative – Club of Computer Engineers; Codess.Cafe Mentee (among 2,000+ applications); SheFi Cohort 13 Scholar.