Rakesh Penugonda

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Summary

AI and Full Stack Developer with experience in building agentic workflows using LLMs (Gemini API, OpenAI), automation with MCP Pipedream, and developing scalable applications. Proficient in Python, LangChain, Docker, and REST APIs, with a strong track record of deploying real-world AI tools.

Education

KL University, Hyderabad, Telangana *Aug 2022 – Aug 2026 (Expected)*
B.Tech (Honours), Computer Science Engineering with Specialization in AI ML *)*
CGPA: 9.78

Sri Chaitanya Junior College, Hyderabad *2020 – 2022*
MPC (Maths, Physics, Chemistry), Percentage: 96.4%

SRM High School, Kodad *2020*
SSC Percentage: 100%

Experience

Full Stack Developer, Collasyn (Remote) *May 2024 – Nov 2024*
- Developed a naturopathy web portal using ReactJS and Tailwind CSS.
- Integrated booking, scheduling, and Stripe-based e-commerce functionality.

Projects

Gemini-Powered Automation Suite – MCP Mega Project *Jul 2025*
- Built 5 AI tools including LinkedIn post creator, Gmail replier, Railway voice alerts, and a Learning Path Generator using Google Gemini API.
- Integrated Pipedream workflows with YouTube, Google Drive, and Notion using MCP (Modular Cloud Protocol) servers.
- Developed a unified application with Streamlit + Python that supports context-aware automation across productivity platforms.

Volunteer Management + Chatbot – JPMC CFG Project *Jun 2025*
- Built a multi-role NGO platform with user tracking, event scheduling, and success story publishing using MERN stack.
- Integrated a Gemini-powered chatbot into the platform to automate beneficiary support and certificate queries.
- Enabled JWT-secured access and dynamic dashboards for admins and volunteers.

Online Multi-language Code Compiler *May-2025*
- Developed an online compiler supporting Java, C++, and Python with container reuse and secure execution.
- Used Docker for sandboxing and deployed the backend using GCP. Integrated result validation and time tracking.

Certifications

Red Hat Certified Enterprise Application Developer
MongoDB Python Developer (April 2025)

Skills

Languages: Python, C++, Java
AI/LLM: Gemini API, OpenAI API, Prompt Engineering, LangChain
Automation: MCP Protocol, Pipedream, N8N
Web Backend: Node.js, Express, REST APIs, Streamlit
Databases: PostgreSQL, MongoDB, MySQL
Tools: Docker, Git, GCP, VSCode, Cursor IDE