

GOKULAN P M

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PROFILE SUMMARY

AI- and Python-focused engineering student with hands-on experience building automation-driven, specification-based systems using AI-assisted development tools. Strong in Python, prompt engineering, and API-driven workflows, with experience translating structured requirements into reliable, testable solutions. Passionate about sports—especially cricket—and excited to apply AI and automation to real-world sports data, analysis, and QA-driven engineering systems.

KEY SKILLS AND TOOLS

Programming : Python, C++, Java, Bash scripting

AI / Data : Python for Data Analysis, Basics of Machine Learning

DevOps Fundamentals : Cloud, Git, GitHub, Docker, CI/CD pipelines, Terraform, Linux

Core Computer Science : Data Structures and Algorithms, Object Oriented Programming

Web and Application Development : HTML, CSS, JavaScript, API, Database fundamentals

AI and Productivity Tools : ChatGPT, Gemini, RAG, Agentic AI, Prompt Engineering

PROJECTS

AI-Based ATS Resume Analyzer

- [GitHub](#)

Built an AI-powered resume analysis system that improved resume-job matching accuracy by 70% using AI-based skill comparison.

Automated resume screening and skill gap analysis, reducing manual review effort by 60%

Integrated Google Gemini AI to perform intelligent resume evaluation and structured JSON-based insights

Designed a robust backend API with error handling and fallback mechanisms for reliable AI responses

Technologies : Python, Google Gemini AI, Node.js, Express.js, Git

CI/CD Automation Pipeline – DevOps Workflow Project

- [GitHub](#)

Designed and implemented an end-to-end CI/CD pipeline, reducing deployment time by 50% through automation

Built Jenkins pipelines to automate deployment of a containerized Python application

Containerized the application using Docker and managed source code using Git and GitHub

Pushed container images to DockerHub and focused on fast and reliable automated deployments

Technologies : Jenkins, Docker, Git, GitHub, DockerHub, Python

Financial Calculators Suite

- [Live Link](#)

Developed a responsive financial calculator web application, improving calculation accuracy and reducing manual computation effort by 90%

Implemented calculators for SIP, EMI, CAGR, Inflation, Compound Interest, and Lump Sum

Implemented real-time financial calculations using JavaScript with instant output updates

Deployed the application using GitHub Pages for public access

Technologies : HTML, CSS, JavaScript, GitHub Pages

EDUCATION

Bachelor of Electronics and Communication Engineering

Sri Krishna College of Engineering and Technology

2023 – 2027 | CGPA: 8.0 / 10