

GOKULAN P M

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PROFILE SUMMARY

Motivated Electronics and Communication Engineering student with strong proficiency in Java and Data Structures & Algorithms. Experienced in solving algorithmic problems and building logical, optimized solutions. Strong foundation in OOP, problem-solving, and core computer science concepts. Seeking an internship opportunity to apply programming skills in real-world software development.

KEY SKILLS AND TOOLS

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

Core CS : Data Structures & Algorithms, Object-Oriented Programming, Time & Space Complexity

Domain Knowledge : Financial Calculations (EMI, Compound Interest), Loan Computation Logic

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

Tools : Git, GitHub, Linux

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

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