

GIREESWAR C P

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EDUCATION

SRM Institute of Science and Technology

Master of Technology in Cloud Computing, CGPA - 9.42

August 2025 – Present

Kattankulathur, Tamil Nadu

Ponjesly College of Engineering

Bachelor of Engineering in Computer Science, CGPA - 8.92

July 2020 – April 2024

Nagercoil, Tamil Nadu

TECHNICAL SKILLS

Languages: Java, Python, HTML/CSS, JavaScript

Technologies/Frameworks: FastAPI, Spring Boot, React JS, Tailwind CSS

Databases: MySQL, MongoDB

Cloud: Docker, AWS

Developer Tools: VS Code, Postman, Git

EXPERIENCE

NextGen Solutions

Full Stack Java Developer Intern

Feb 2024 – Mar 2024

Cuddalore, Tamil Nadu

- Built a RESTful Library Management System using Java, Spring Boot, and MySQL.
- Optimized DB queries with Spring Data JPA, improving performance by 25%.
- Used Postman for API testing, reducing bugs and speeding up deployment.
- Added user and book tracking features, enhancing functionality.

Trinity Technologies

Python Developer Intern

Jan 2023

Nagercoil, Tamil Nadu

- Created a hospital appointment booking app using Python, Tkinter, and MySQL.
- Improved data retrieval speed by 30% through optimized DB design.
- Designed intuitive UI components, reducing booking errors and improving UX.

PROJECTS

Resume Critiquer | Python, Streamlit, Gemini, Docker

[Github]

- Developed an AI-driven Resume Critiquer with Python, Streamlit and Gemini to generate intelligent resume improvement suggestions.
- Implemented a cloud-native deployment pipeline using Docker, AWS ECS Fargate, ECR, ALB, and CodeBuild to enable scalable and automated deployments.

Serverless URL Shortener | AWS Lambda, API Gateway, DynamoDB, S3, CloudFront, React JS

[Github]

- Designed a serverless URL shortener leveraging AWS Lambda, API Gateway, and DynamoDB for scalable and cost-efficient URL storage and redirection.
- Integrated S3 static hosting with CloudFront CDN and HTTPS to deliver a secure, high-availability frontend with improved response times.

Legal RAG Assistant | Python, FAISS, SentenceTransformers, Mistral (Ollama)

[Github]

- Built a Retrieval-Augmented Generation (RAG) system to answer legal queries strictly from uploaded legal documents, minimizing hallucinations.
- Implemented PDF ingestion, text chunking, embedding generation, and semantic retrieval using FAISS with a local LLM for grounded responses.

CERTIFICATES

- Meta Front-End Developer Certificate - Coursera, December 2024
- AWS Academy Graduate Cloud Operations - October 2025
- OCI Certified AI Foundations Associate- Oracle, August 2024
- OCI Certified Foundations Associate - Oracle, August 2024
- Java and DSA - Udemy, August 2024
- Python - Guvi, August 2023