

JASWANTH MADIYA

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ABOUT ME

Computer Science student who enjoys building practical software and learning through hands-on projects. Interested in solving real-world problems, backend development, and creating applications that are reliable and easy to use. Experienced in delivering scalable systems for real-world use cases. Quick learner with a strong focus on consistency, adaptability, and continuous improvement.

TECHNICAL SKILLS

Programming Languages: C/C++, Python, JavaScript

Backend Development: Django, Django REST Framework, FastAPI, Flask, REST APIs

Databases: PostgreSQL, MySQL

Cloud & Infrastructure: AWS (IAM, VPC, EC2, S3, RDS, DynamoDB, Lambda, SQS, CloudFront), GCP (Cloud Run, Cloud Storage), Docker, Nginx, Linux

Development Tools: Git, GitHub, Postman

Concepts: Microservices, Serverless Architecture, System Design, Distributed Systems, ML, CNN

EXPERIENCE

PerspectAI [↗](#)

May 2026 – Present

DevOps Intern

- Worked extensively with AWS services including Lambda, VPC, S3, SQS, and AWS SAM while building and deploying cloud-native applications.
- Developed and deployed REST APIs and backend workflows using serverless architecture and event-driven services.
- Built internal monitoring and operational systems for tracking application health, logs, and workflow execution.
- Explored infrastructure automation, cloud networking, and scalable deployment practices in AWS environments.

Freelance [↗](#)

Apr 2025 – Apr 2026

Backend & Cloud Engineer

- Built and deployed backend systems for clients using Django, Docker, AWS, and Nginx, supporting production workloads and improving application reliability.
- Optimised existing cloud infrastructure and deployment workflows, reducing monthly cloud costs by up to 35% through resource tuning and infrastructure cleanup.

PROJECTS

SHORe'26 - Event Ticketing & Check-in System (GITAM University)

2026

- Built the backend system for a 3-day university event with ticket booking, payments, and live gate check-ins, handling 10,000+ attendees.
- Developed scalable check-in APIs using Flask and deployed the platform on GCP with Docker, supporting concurrent entry validation with zero downtime during the event.

CNN-Based Mudra Recognition System

2025

- Developed a deep learning model to recognise Indian classical Mudras from live camera input with 94% accuracy.
- Built the complete pipeline for video capture, image preprocessing, and real-time gesture prediction using Python.

CERTIFICATIONS

- **AWS Solutions Architect** *Amazon Web Services — Coursera, 2025*
- **Back-End Developer Professional** *Meta, 2025*
- **OCI Certified Developer Professional** *Oracle Cloud Infrastructure, 2025*
- **OCI Certified AI Foundations Associate** *Oracle Cloud Infrastructure, 2025*

EDUCATION

GITAM Deemed University

2024 – Present

B.Tech (Lateral) in Computer Science & Engineering CGPA: 9.5 / 10

Relevant Coursework: Operating Systems, Computer Networks, Database Management Systems, Machine Learning, Deep Learning, Software Engineering

Sai Ganapathi Polytechnic College

2021 – 2024

Diploma in Computer Engineering 94.5% State Rank 39 (APECET)

Relevant Coursework: Programming in C/C++ & Python, Data Structures, Web Technologies, Object Oriented Programming, Computer Organisation

CODING PROFILES

LeetCode [↗](#) - Solved 280+ coding problems across Data Structures and Algorithms

HackerRank [↗](#) - Solved 100+ problems