

Aagam Mehta

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SUMMARY

A forward-thinking engineer passionate about building the next generation of autonomous systems. I believe the future of technology lies in creating intelligent agents that can reason, plan, and act to solve complex real-world problems.

EXPERIENCE

DSA Mentor

DJS InfoMatrix

August 2025 – Present

- Mentored 70 students to excel in Data Structures and Algorithms (DSA) for successful placements .
- Architected the comprehensive curriculum for the new 'Advanced DSA' course for future semesters.
- Developed the DSA Sheet with approximately 30+ questions asked in placements for early preparation of Students .

PROJECT

Undoctorify Pro

h2muwfnm3s.ap-south-1.awsapprunner.com/ • September 2025 – October 2025

- Engineered a full-stack, AI-powered web application to streamline doctor-patient communication, featuring AI-drafted emails and one-click Google Calendar integration for follow-ups helping retaining the patients by more than 50 %.
- Architected and deployed a scalable, production-ready AWS infrastructure to ensure high availability and low latency.
- Utilized **AWS App Runner** for the core application service which can handle more than 100 users at once .
- Integrated automated testing and CI/CD pipelines to accelerate release cycles, strengthen code quality, and maintain continuous delivery across evolving feature sets.

Digital Twin

d2550vah0picjg.cloudfront.net

- Engineered and deployed a full-stack Next.js and FastAPI application onto a production-grade, serverless AWS architecture.
- Configured AWS CloudFront, API Gateway, Lambda functions , and S3 to create a scalable and cost-efficient deployment pipeline, secured through IAM policies.
- Successfully transitioned the application from an initial prototype on Vercel to a robust cloud infrastructure.

Autonomous Multi-Agent Trading System

- Architected a simulated trading floor using a 4-agent collaborative system to autonomously analyze live data, manage risk, and execute trades.
- Powered the agents with 6 MCP servers and an extensive library of 44 unique tools, enabling complex, coordinated financial analysis.
- Built the system using Claude MCP, the OpenAI Agents Framework, SQLite for data persistence, and RESTful APIs for real-time data integration .

EDUCATION

Bachelors of Technology (AI & DS)

Dwarkadas J Sanghvi college of engineering • Mumbai • 7.8

SKILLS

- **Cloud Platforms:** AWS (Primary), GCP, Azure, Vercel
- **AWS Services:** Lambda, App Runner, SageMaker, Amazon Bedrock, AWS AgentCore, Aurora Serverless, S3, API Gateway, CloudFront, Route 53, SQS
- **Infrastructure & CI/CD:** Terraform, GitHub Actions , Docker Containers .

AI & Machine Learning:

Concepts & Architectures: Generative AI , MCP , Retrieval-Augmented Generation (RAG), AI Agents, Multi-Agent Systems, ReAct Framework , Prompt Engineering , Agent Orchestration .

Frameworks & Libraries: LangChain, CrewAI , OpenAI SDK , AutoGen .

Data Analytics & Visualization: Python (Pandas, Matplotlib, Seaborn), Tableau, Power BI, EDA, Data Cleaning, Interactive Dashboards.

CERTIFICATIONS

THE COMPLETE AGENTIC AI ENGINEERING COURSE (2025) | UDEMY

- This is a comprehensive, intensive 6 week course that equips you to create and deploy Autonomous Agents for commercial impact.
 - The Complete Agentic AI Engineering Course (2025) | Udemy Created by Ed Donner, .
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