Ayan Sheikh

9309584889 | ayansheikh52@gmail.com | LinkedIn | Portfolio | GitHub | Leetcode |

Summary

Quick-learning Software Engineering and ML Enthusiast with strong problem-solving, team collaboration, and communication skills. Skilled in Angular, React, Golang, Redis, AWS, CI/CD, and data management for scalable solutions.

Technical Skills

Languages: Python, C++, Golang, TypeScript, Java
Frameworks/Libraries: Express.js, React.js, Gorilla mux, Prisma, Next.js
Cloud Platforms: AWS (EC2, S3, Lambda, Lightsail)

Education

Shri Ramdeobaba College of Engineering and Management   Nagpur, Maharashtra
Bachelor of Engineering   *Dec. 2021 – June 2025*

Experience

Graduate Engineer Trainee   Aug 2025 – Present
Siemens   *Pune, India*

- Contributing to the development of a **new enterprise product** from the ground up, collaborating with cross-functional teams to design and implement core features.
- Gaining hands-on experience in **end-to-end product development**, from architecture discussions to feature delivery.

Intern   Jan 2025 – Aug 2025
Siemens   *Pune, India*

- Finalist in Siemens GenAI Carnival Hackathon; received the **Special Jury Award** for innovative application of generative AI.
- Developed a proof-of-concept (POC) widget in **Angular**, enhancing UI functionality and demonstrated it to 3 internal teams for feedback and potential integration.
- Implemented and delivered features for an internal **map and location-based module** .

Software Development Engineer Intern   Aug 2024 – Nov 2024
Mini Data Consulting   *Nagpur, India*

- Built a multi-organization authentication flow with a custom dashboard using React.js and Tailwind CSS.
- Integrated chatbot functionalities across Slack and web components, improving user interactions.
- Designed a multi-agent workflow with role-based access control to enhance security and role management.

Projects

AgentPay | *Java , Spring Boot WebFlux, Spring Security, Open Policy Agent (Rego).*   Aug 2025 – Sep 2025

- Built a **Spring Boot WebFlux** service enabling autonomous AI-agent purchases, implementing **JWT** API-key authentication, encrypted credential storage, and reactive **Spring Security** for non-blocking processing.
- Integrated **Open Policy Agent (OPA)** with **Rego** policies as a Policy Enforcement Point to enforce configurable spending limits, merchant allowlists, and product-type restrictions in real time.
- Implemented backend persistence and observability with **PostgreSQL** and **Flyway** migrations, **H2** for development, **SLF4J** logging with correlation IDs, rate limiting, RESTful token-exchange and purchase endpoints, and detailed audit trails.