

Ayan Sheikh

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Summary

Cloud-focused Software Engineer with expertise in AWS infrastructure, SQL database management, and scalable system deployment. Experienced in designing and implementing cloud-native solutions with CI/CD pipelines on EC2 instances.

Technical Skills

Languages: Python, C++, SQL, Golang
Frameworks/Libraries: Express.js, React.js.
Cloud : AWS (EC2, S3, Lambda, Lightsail)

Education

Shri Ramdeobaba College of Engineering and Management
Bachelor of Engineering

Nagpur, Maharashtra
Dec. 2021 – June 2025

Experience

Intern

Jan 2024 – Present

Siemens

Pune, India

- Developed a proof-of-concept (POC) widget in **Angular**, enhancing UI functionality and demonstrated it to 3 internal teams for feedback and potential integration.
- Completed training on front-end development and enterprise workflows.

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.
- Implemented Redis caching layer for high-frequency API endpoints

Machine Learning Intern

Jan 2024 – July 2024

Vruksh Ecosystem Foundation

Nagpur, India

- Streamlined AI model deployment pipelines, enhancing scalability for enterprise use cases.
- Customized Llama3 8B models for targeted business applications, improving model accuracy and usability.
- Boosted adoption of generative AI solutions with over 7,000 downloads on Hugging Face.

Projects

Zapspell | *Next.js, Typescript, Express.js, MongoDB* | Code | Live

Mar 2024 – Apr 2024

- Deployed full-stack application on AWS EC2 with PostgreSQL RDS database
- Built a gamified platform to enhance user engagement and retention.
- Developed a **leaderboard** with advanced **metrics** for fair competition.

Fluxi | *Golang, Redis, PostgreSQL* | Code

Oct 2024 – Nov 2024

- Implemented a **Redis-backed** worker pool for efficient, scalable scraping.
- Stored processed data in S3 buckets with lifecycle policies for cost optimization
- Implemented database connection pooling for high-throughput PostgreSQL operations