

Omkar Mahesh

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SUMMARY

A results-oriented Full-Stack and DevOps Engineer specializing in cloud-native architectures. Proficient in building end-to-end applications with the MERN stack and Next.js, while automating deployment and scaling through CI/CD pipelines, Docker, and Terraform. Eager to apply a holistic understanding of development, operations, and cloud infrastructure to deliver robust, high-performance software.

TECHNICAL SKILLS

Languages: Java, Python, C++, JavaScript, TypeScript, SQL, HTML, CSS

Cloud & DevOps: AWS, Google Cloud, Firebase, Docker, CI/CD, Terraform, Ansible, Grafana

Frontend & Backend: React.js, Next.js, Node.js, Express.js, MongoDB, Tailwind CSS, REST APIs

Developer & AI Tools : Git, GitHub, Postman, VSCode, Firebase, Figma, OpenAI API, LLMs, GenAI, RAG

EXPERIENCE

Web Development Intern

May 2025 – June 2025

Coding Samurai

Remote

- Developed and deployed a full-stack, cloud-native application using Next.js and a serverless Firebase backend to enhance scalability and real-time features.
- Integrated third-party AI/voice APIs to deliver intelligent functionality and managed the end-to-end deployment lifecycle on the Firebase platform.

PROJECTS

Place Prep - AI-Powered Voice Interview Platform

Jan 2025 – March 2025

Full-Stack AI Application

Next.js, OpenAI API, Deepgram API

- Built a full-stack AI simulator for realistic voice interviews with instant, AI-driven performance feedback.
- Integrated OpenAI and Deepgram APIs to enable dynamic question generation and high-accuracy speech-to-text.
- Ensured stability and accessibility through robust API rate-limiting and full WCAG compliance.

NewsVITaa - Centralized College Event Management System

Aug 2024 – Dec 2024

Full-Stack Web Application

React.js, Firebase, JavaScript

- Deployed a scalable, serverless backend using Firebase, leveraging Cloud Firestore for live data sync and Authentication for security.
- Engineered a responsive React.js UI to streamline event discovery, boosting student engagement across campus.

EDUCATION

VIT Bhopal University

Bachelor of Technology in Computer Science (Cloud Computing & Automation) (CGPA - 8.38)

Bhopal, Madhya Pradesh

Sept 2023 – Ongoing

CERTIFICATIONS

- IBM: DevOps, Agile Design Thinking
- Microsoft Certified: Azure Data Fundamentals (DP-900)
- Google: Gen AI Academy Completion Certificate
- Postman: API Fundamentals Student Expert