

Omkar Mahesh

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Education

VIT Bhopal University

Bachelor of Technology in Computer Science(Cloud Computing and Automation)
CGPA : 8.38 / 10

September 2023 – Ongoing

Bhopal, Madhya Pradesh

Experience

Coding Samurai - Web Development Intern

May 2025– June 2025

Remote

- Fused full-stack development with cloud-native architecture to build and deploy scalable, feature-rich web applications.
- Engineered interactive frontends using Next.js and React, which directly consumed Firebase cloud services for real-time databases (Firestore) and authentication.
- Integrated third-party cloud APIs (AI/Voice) to deliver intelligent features and managed the end-to-end deployment lifecycle on Firebase.

Projects

Place Prep - AI-Powered Voice Interview Practice Platform

January 2025 – March 2025

- Engineered a full-stack AI interview simulator using Next.js, providing users with realistic voice-based practice and instant, AI-driven performance feedback.
- Integrated OpenAI API for dynamic, human-like question generation and Deepgram API for high-accuracy, real-time speech-to-text, creating a seamless conversational experience.
- Ensured platform stability and inclusivity by implementing API rate-limiting and achieving full Web Content Accessibility Guidelines (WCAG) compliance.
- Technologies: Next.js 14, React, TailwindCSS, OpenAI API, Deepgram API, React Context.

NewsVITaa - Centralized College Event Management System

August 2024 – December 2024

- Engineered a responsive and interactive UI with React.js to streamline event discovery, registration, and notifications for students.
- Architected a scalable, serverless backend using the Firebase suite, leveraging Cloud Firestore for live data synchronization and Firebase Authentication for secure user management.
- Deployed the full-stack application on Firebase Hosting, delivering a centralized platform that successfully boosted student engagement and simplified event organization.
- Technologies: React.js, Firebase (Cloud Firestore, Authentication, Hosting), React Router, JavaScript (ES6+).

Technical Skills

- Languages:** Java, Python, C++, JavaScript, TypeScript, SQL, HTML, CSS
- Frontend/Backend:** React.js, Next.js, Tailwind CSS, Node.js, Express.js, MongoDB, REST APIs
- Cloud/DevOps:** AWS, Google Cloud, Linux, Docker, CI/CD, Grafana, Ansible, Scrum, Terraform
- Developer Tools:** Git, GitHub, VSCode, Postman API, Firebase, Figma
- AI:** Open AI, LLMS, Gen AI, Prompt Engineering, RAG, Streamlit, Vertex AI, Google Cloud SDK

Certifications

- IBM - Devops, Agile & Design Thinking
- Microsoft Certified - Azure Data Fundamentals DP900
- IBM - DevOps Fundamentals
- Google - Gen AI Academy Completion Certificate
- Postman - API Fundamentals Student Expert
- Data Visualization Certified by Tata on Forges
- Vityarthi - Fundamentals Of AIML
- Vityarthi - Python Essentials

Achievements

- Secured 1st Rank in the Google Gen AI Exchange Program 2025
- Completed Leetcode DSA 100 days Coding Challenge in Java
- Completed Hacktoberfest and Gssoc 2024 – Contributed to various open-source projects in Github
- Event Management Lead in Mozilla Firefox Club and VITKult Club – Organized and managed cultural events.
- Languages : English, Hindi, Kannada, Marathi