Omkar Bhosale

Full-Stack GenAI Developer

Maharashtra, India │ omkarbhosale5484@gmail.com | +91-7248965484
Portfolio: omkarbhosale.dev │ GitHub: omkarbhosale-dev

Skills:
- **Frontend:** Next.js, React.js, Javascript, Zustand, Tailwind CSS,
- **Backend:** Node.js, Express.js, Typescript, Python (FastAPI, Flask)
- **Database:** My-SQL, Postgres-SQL, MongoDB, Database Design,
- **DevOps/Tools:** Docker, Nginx

Work Experience:

Build & Blog Marathon – Google Office, Hyderabad │ November 2025
- Designed and developed a scalable GenAI-based full-stack application with real-time database interaction and REST API consumption, improving data processing efficiency and system responsiveness.
- Implemented Google Gemini 2.5 Flash as the core language model and integrated PostgreSQL database hosted on Google Cloud for secure and scalable data handling.
- Successfully deployed the complete NextJs application on Google Cloud using Google Cloud Run, ensuring optimized performance, scalability, and seamless cloud-native execution.

Full Stack Developer (Freelance Contract) – Exposureee │ June 2024
- Automated real-time payment alerts using StreamElements API, boosting livestream engagement by 40%.
- Developed backend with Next.js Server Actions & API Routes, coupled with MongoDB, reducing latency by 50%.
- Integrated passwordless authentication via Auth.js, cutting login errors by 80% and improving user retention.
- Engineered secure transactions using PayU payment gateway, processing 500+ payments with 99.9% uptime.
- Containerized the full-stack project on a self-hosted VPS using Dokploy & Docker, reducing hosting costs.

Key Projects:

[Link] Stegano (Steganography Web Appl) - 2025
Tech Stack – Next.js 15, ShadCN UI, LSB Algorithm
- Engineered a client-side steganography web application using LSB techniques in Next.js and TypeScript to securely embed secret messages in images without any server-side data transfer.
- Designed and embedded a responsive drag-and-drop interface with batch and multiple file processing support, enhancing user productivity and maintaining visual fidelity of carrier images.

[Link] ReAct (Reasoning & Acting) AI Agent - 2025
Tech Stack – Next.js 15, Mistral 7B, MongoDB, Tailwind CSS, Auth.js, Stable Diffusion, OpenWeather API
- Architected an AI agent using Mistral 7B, achieving 30% higher accuracy than GPT-3.5 got domain specific queries.
- Pioneered avatar generation via Stable Diffusion API, enabling users to create custom AI art.
- Integrated OpenWeather API for hyper-local forecasts, reducing latency by 250ms through edge caching.
- Deployed passwordless auth (AuthJs + Google OAuth), slashing login errors by 65% and boosting retentions.

[Link] UPI QR Generator [NPM PACKAGE] - 2024
Tech Stack – Typescript
- Created a zero-dependency npm library for UPI QR generation, adopted by 3000+ project.
- Reduced integration time by 70% with React/Angular wrappers and comprehensive docs.

[Link] Lemon Click - 2024
Tech Stack – Next.js 14, MongoDB, Auth.js, ShadCN UI
- Built a high-performance link switcher, eliminating 50% of 404 errors with intent-based redirects.
- Scaled to 1000+ branded links, improving CTR by 35% via customizable UTM tracking.
- Enabled OAuth (Auth.js) with MongoDB sessions, enabling passwordless logins.

Education:

Bachelor of Technology (B.Tech) in Computer Science and Engineering
D.Y. Technical Campus, Kolhapur │ 2023 -2026

Higher Studies 10 + 2 (Science Stream)
Sanjeevan Public School & Jr. College, Kolhapur │ 2016 - 2022