

Vishal Choudhary

8097044814 | dev.vishal.choudhary@gmail.com | linkedin.com/in/vish96

EXPERIENCE

Software Engineer

Baker Hughes

Sept 2023 – Present

Pune

- Developed scalable web applications improving performance by $\sim 25\%$
- Delivered end-to-end features reducing release cycle time by $\sim 20\%$
- Executed technical spikes to identify optimal solutions for changing requirements.
- Leveraged GitHub Copilot and Google Gemini to accelerate development, improve code quality, and reduce delivery time by $\sim 20\%$.
- Led security initiatives reducing vulnerabilities by $\sim 40\%$
- Applied AI-assisted development and explored LLM-based system design concepts (RAG, prompt optimization, caching strategies)

Software Engineering Specialist

Baker Hughes

July 2021 – Aug. 2023

Mumbai

- Designed and implemented scalable RESTful APIs handling 200+ requests per second, ensuring performance and reliability under load.
- Performed PR reviews, applied Sonar fixes, and maintained high test coverage to ensure clean, production-ready code.
- Improved code quality reducing defects by $\sim 30\%$
- Managed CI/CD pipelines with Docker, Kubernetes, GitHub Actions, and Jenkins to streamline deployments and accelerate delivery.

PROJECTS

AI Knowledge Assistant | RAG, OpenAI APIs, React, Vector, Docker

April 2026 – Present

- * Built production-ready AI system using Node.js, React, OpenAI APIs
- * Implemented RAG + hybrid search, improving response relevance by $\sim 30\%$
- * Reduced token usage by $\sim 40\%$ using context compression + caching
- * Developed real-time streaming (SSE) improving perceived latency by $\sim 50\%$
- * Built ChatGPT-like UI with source attribution for transparency

EDUCATION

Centre for Development of Advanced Computing (C-DAC)

Post Graduate Diploma In Advanced Computing

Mumbai

Sep. 2020 – Jun. 2021

Mahatma Gandhi Mission's College of Engineering

Bachelor's degree, Mechanical Engineering

Nanded

Aug. 2014 – Jun. 2019

TECHNICAL SKILLS

Languages: TypeScript, SQL (Postgres), JavaScript, HTML/CSS, NoSQL (Redis)

Frameworks: Node.js, Angular, Material-UI

Developer Tools: Git, Docker, VS Code, Argo CD, Kubernetes, Jenkins, Github Actions

Libraries: React, Next, Express, SinonJS