

# VAIBHAV KUMAR KANDHWAY

+91 9137452810 | vaibhav.kumar.kandhway@gmail.com | linkedin.com/in/vaibhav-kumar-kandhway  
github.com/VaibhavK289 | yaibhavkandhway.dev | Bhopal, India

## Education

### Vellore Institute of Technology

Bachelor of Technology in Computer Science Engineering

Bhopal, India

Expected May 2026

- Relevant Coursework: Data Structures & Algorithms, Database Management Systems, Operating Systems, Computer Networks, Object-Oriented Programming, Software Engineering.

## Technical Skills

Languages: JavaScript, TypeScript, Python, C++, SQL, Bash

Frontend: React, Next.js, HTML5, CSS3, Tailwind CSS, Redux, Responsive Design

Backend: Node.js, Express.js, FastAPI, RESTful APIs, GraphQL, Microservices

Databases: PostgreSQL, MongoDB, Redis, Prisma ORM, MySQL

AI/ML: TensorFlow, Scikit-learn, LangChain, Ollama, RAG (Retrieval-Augmented Generation)

DevOps & Tools: Git, Docker, AWS (EC2, S3), Vercel, CI/CD, Linux/Unix, Agile/Scrum

## Projects

### Allma Studio - Privacy-First AI Chat Platform | *React, FastAPI, Python, Ollama, LangChain, RAG* | Jan 2026

- Developed a local AI chat platform with Retrieval-Augmented Generation ensuring complete data privacy with zero cloud dependency.
- Engineered a FastAPI backend using Ollama for on-device LLM processing supporting multiple AI models.
- Built a document ingestion pipeline supporting PDF, TXT, DOCX formats with vector embeddings and real-time streaming.

### CuraSense - AI Healthcare Diagnostic Platform | *Next.js, TypeScript, FastAPI, Python, TensorFlow* | Jan 2025

- Created a healthcare SaaS platform featuring ML-powered prescription analysis, medical imaging diagnosis, and drug comparison.
- Integrated computer vision models for X-ray and MRI analysis achieving over 85% diagnostic accuracy.
- Developed a TypeScript Next.js frontend with server-side rendering achieving sub-2 second load times.

### PredictiveCare - Industrial IoT Maintenance System | *Next.js, React, FastAPI, PostgreSQL, Redis, AWS* | Dec 2024

- Built a full-stack IoT maintenance system with ML-powered failure prediction reducing downtime by 40%.
- Implemented a real-time data pipeline processing over 10,000 data points per minute with Redis caching.
- Trained Random Forest and XGBoost models for predictive maintenance achieving 92% accuracy.

## Leadership & Activities

### University Cyberwarriors Club

2022 – 2023

Member

Vellore Institute of Technology, Bhopal

- Collaborated with 10+ peers to organize coding challenges, hackathons, and cybersecurity workshops.
- Led sessions on secure coding, vulnerability assessment, and ethical hacking fundamentals.

## Additional Information

Achievements: Published 4 production applications; implemented end-to-end CI/CD pipelines.

Languages: English (Fluent), Hindi (Native).

Availability: Immediate for full-time roles starting June 2026.