

Vaibhav Araikar

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GitHub | LinkedIn | Portfolio

Professional Summary

Software Developer with hands-on experience building full-stack applications, REST APIs, authentication systems, and AI-powered solutions using C++, JavaScript, Python, Node.js, Express.js, React.js, and MongoDB. Experienced in MERN development, backend architecture, machine learning, and cloud platforms. Strong foundation in Data Structures and Algorithms with 100+ LeetCode problems solved.

Education

G. H. Rasoni College of Engineering, Nagpur

2023–2027

B.Tech – Electrical Engineering

CGPA: 8.03/10

HSC: 59.33% | SSC: 84.20%

Technical Skills

Languages: C++, JavaScript, Python, SQL

Frontend: HTML5, CSS3, Bootstrap, React.js

Backend: Node.js, Express.js, REST APIs, JWT, MVC, API Integration

Databases: MongoDB, SQL

AI/ML: Machine Learning, Gemini API, Vertex AI, IBM Watsonx

Cloud: Google Cloud, AWS, Microsoft Azure, IBM Cloud

Core: DSA, OOP, DBMS, OS, Computer Networks, Software Engineering

Tools: Git, GitHub, Linux, VS Code, LM Studio, Cloudinary

Experience

AI & Machine Learning Intern – Pluto Academy

Jun 2026–Jul 2026

- Developed 2 AI/ML applications using Python covering data preprocessing, model development, evaluation, and application integration.
- Applied machine learning workflows to solve practical real-world problems.

AI & Cloud Intern – IBM SkillsBuild x Edunet

Jul 2025–Aug 2025

- Developed an AI-powered course recommendation system using IBM Cloud, Watsonx.ai, and IBM Granite foundation models.
- Integrated AI services and recommendation logic for personalized learning pathways.

AI & Data Analytics Intern – AICTE x Shell India x Edunet

Jul 2025–Aug 2025

- Developed a data-driven system to predict future EV manufacturing trends using historical data and analytical techniques.
- Performed data processing, analysis, documentation, and workflow optimization.

AI/ML Intern – InternPro

Jun 2025–Jul 2025

- Developed frontend components for an AI Interview Bot and integrated workflows using Python, REST APIs, and LLM-based functionality.

Projects

StaySphere – Airbnb Clone

MERN Stack

- Built a full-stack accommodation platform using MongoDB, Express.js, React.js, and Node.js with MVC architecture.
- Implemented JWT authentication, password recovery, Cloudinary, listings, reviews, and 15+ REST APIs.

Zerodha Clone

MERN Stack

- Developed a responsive stock trading platform using React.js, Node.js, Express.js, and MongoDB with reusable components.
- Implemented authentication, portfolio management, trading workflows, and REST API integration.

AI Disaster Assistant

MERN, Python, LM Studio, Mistral 7B

- Built an AI-powered disaster-response assistant using a locally hosted Mistral 7B model for emergency assistance.
- Integrated the LLM with a full-stack application through REST APIs to process disaster-related user queries.

Dynamic Pricing for Urban Parking Lots

Python, Pandas, NumPy

- Developed a dynamic pricing engine for 14 urban parking lots using historical occupancy and demand-related parameters.
- Implemented data-driven pricing logic using Python, Pandas, and NumPy to adjust prices based on parking demand.

Certifications

Meta Full Stack Developer Specialization | IBM Generative AI Engineering Professional Certificate | Google AI Professional Certificate | Oracle Cloud Infrastructure Generative AI Professional | AWS Cloud Technical Essentials | Microsoft Azure for AI and Machine Learning | Advanced AI and Machine Learning Techniques and Capstone | Supervised Machine Learning: Regression and Classification | Advanced Learning Algorithms

Achievements

100+ LeetCode Problems Solved | 8+ Full-Stack and AI/ML Applications Built | Smart India Hackathon Participant

Google Cloud / Vertex AI Skill Badges: Prompt Engineering, Gemini API, Multimodal RAG, and Generative AI Applications