Vighnesh Tiwarekar

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SUMMARY

Aspiring full-stack developer with hands-on experience building real-time web applications using React, Node.js, MySQL, and MongoDB. Strong programming and problem-solving skills with a growing portfolio of impactful projects.

WORK EXPERIENCE

Currently seeking internship opportunities to apply and expand my technical skills.

EDUCATION

Vishwakarma Institute of Information Technology, Kondhwa, Pune **2023 – going on**
Bachelor of Technology (B.Tech) – Information Technology *CGPA: 9.13 (Third Year)*

Fergusson College, Pune **2023**
Higher Secondary Certificate (HSC) *Percentage: 79.83%*

Milagris High School, Sawantwadi, Sindhudurg **2021**
Secondary School Certificate (SSC) *Percentage: 94%*

SKILLS

Languages: C++, Python, JavaScript

Frontend: HTML, CSS, Tailwind CSS, React.js

Backend: Node.js, Express.js

Database: MySQL, MongoDB

Tools: Visual Studio Code, Figma, Power BI, Postman

Foundational ML Tools (basic exposure): Pandas, scikit-learn, Matplotlib

PROJECTS

Findit: A Lost & Found Platform Demo

- Built an AI-based image + text matching pipeline achieving **87% matching accuracy** across lost and found item reports.
- Integrated **Grounding DINO** for object detection, **SAM** for segmentation, and **BGE-small-en** embeddings for semantic text similarity.
- Deployed containerized Flask AI services on **Hugging Face Spaces using Docker**, enabling scalable inference.
- Delivered a production-ready application, live-hosted on **Vercel & Render**, demonstrating real-world AI and full-stack integration.

(Industry Project) Smiles World Pvt. Ltd. — Travel & Tourism Platform Demo

- Built a full-stack travel platform with **8+ user/admin modules** for packages, inquiries, blogs, and media.
- Developed an admin dashboard to manage **50+ travel packages** and large video content using ABS and Cloudinary.
- Implemented inquiry tracking with status management for streamlined communication.
- Optimized performance and SEO, achieving a **Lighthouse SEO score of 91%**.

CERTIFICATIONS

React Basics – Meta (Coursera) | Certificate

Introduction to Next.js – Coursera Instructor Network | Certificate

Data Analysis with Python – IBM (Coursera) | Certificate

Machine Learning with Python – IBM (Coursera) | Certificate