

VAIBHAV MISHRA

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Education

- **Vidyavardhini's College of Engineering and Technology, Mumbai, Maharashtra, India.** **2020 - 2024**
Bachelor of Engineering in Electronics and Telecommunication (Honors: AI-ML) - CGPA: 8.30/10.00

Technical Skills

- **Languages :-** Java, Javascript, Embedded C / C++.
- **Development :-** HTML, CSS, Javascript, React js., Node.js, Canva.
- **Tools :-** VS Code, Linux/UNIX, Terminal, Git/Github, Canva and Latex.
- **Core Concepts :-** Object-Oriented Programming (OOPs), Data Structures and Algorithms, Software testing, Debugging
- **Soft Skills :-** Leadership, Communication, Event Management, Strategic Planning, Team Collaboration.

Work Experience

Product Engineer | *Frootle India Private Limited - Mumbai, IN - (Onsite)* **July 2024 - Feb 2025**

- Resolved 2,400+ support tickets for Ecovacs Robot Vacuum Cleaners involving hardware diagnostics and software troubleshooting.
- Diagnosed software bugs via customer-facing applications and guided sensor-level hardware checks.
- Directed service technicians, managed parts inventory, and optimized facility operations for timely resolutions.
- Coordinated escalations and customer dissatisfaction cases via email, call and achieved 95%+ customer satisfaction rate.
- Collaborated with logistics and service departments to streamline ticket-to-resolution lifecycle.

Wordpress Web Developer | *Aarbee Aqua private limited - Mumbai, IN - (Hybrid)* [Drive](#) **June 2022 - Dec 2022**

- Led end-to-end development of website, resulting in 30% surge in user engagement and 20% enhancement in website responsiveness across devices.
- Orchestrated import of 20+ products, managing variations and associated barcode numbers, resulting in streamlined inventory process.
- Developed integrated inventory management system on website's backend, leading to 25% reduction in order processing time and improving overall operational efficiency by 15%.

Projects

Shoes Sales Dashboard [Github](#) [Live Link](#)

- Built a full-stack dashboard using **React.js, Node.js, Express, and MongoDB Atlas**.
- Visualized sales metrics, marketing performance, and conversion data using **interactive charts and tables**.
- **Integrated advanced analytics** like product-wise sales share, advertising efficiency, and ROI tracking.
- Deployed the app using Render (backend) and Vercel (frontend).

Image Cropping [Github](#) [Live Link](#)

- Developed an image cropping application **utilizing computer vision and deep learning** to automatically crop images to predefined sizes or user-specified dimensions.
- The application excels in **identifying subjects, even with obscured faces**, and delivers professional results.
- Built With: Python, **Flask** - Backend framework, **OpenCV** - Image processing, **SQLite** - Database

AI Image Enhancer [Github](#) [Live Link](#)

- Built a responsive React web application that **enhances user-uploaded images with AI and generates random images using public APIs**.
- Utilized **Tailwind CSS for modern, responsive UI design**, implemented **API calls for dynamic content**, and **managed state with React hooks**.
- Integrated **React Router for seamless navigation**, applied **reusable component architecture**, and ensured **scalable, maintainable code** with effective state and async data handling.

Railway Rakshak [Github](#)

- **Transformed the traditional system of licensing the spectrum** to transfer data using a switch-based system to send track information **via an ESP32-4G LTE module**.
- **Stored data on Firebase, enabling real-time updates and notifications on an Android app**, with LED and sound alerts to indicate train status.
- Integrated features for checking **recharge and validity details, automatic device information updates via specific SMS formats, and SMS notification alerts**.

Achievements

- **Ranked 9 out of 740+ registered geeks on Geeks for Geeks.** [GFG](#)
- **Solved 500+ DSA problems, with 7 badges, achieving a highest rating of over 1535+ on Leetcode.**
- **Managed Head of IEEE Committee and Technical Head of Texas Instruments Innovation Lab, increasing student and participant engagement by 20%.**