

# Vaibhav Bhosale

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## EDUCATION

2022 - 2026 **Vishwakarma Institute of Information Technology, Pune**  
*Bachelor of Technology in Electronics and Telecommunication* (GPA: 7.88)

## WORK EXPERIENCE

• **Bluestock Fintech** June 2024- July 2024

### SDE Intern

- Built 5 fully functional prototypes featuring modern designs leveraging technologies such as React and Tailwind CSS which resulted in measurable improvements achieving an average session duration increase from 2 minutes to 4 minutes per visit.
- Led the effort to roll out 4 new customer-centric features in collaboration with product and engineering teams, ensured smooth integration with backend systems, contributing to a **10% increase** in user engagement metrics.

## PROJECTS

• **VirtueHireX-AI Mock Interview** | *Next.js, Gemini, Neon PostgreSQL, Razorpay* [GitHub](#) [🔗](#) | [Demo](#) [🔗](#)

- Integrated **Google Gemini** to generate job-specific interview questions, enable **real-time video/audio** recording, and provide **AI-driven feedback** with actionable improvement suggestions and performance ratings.
- Implemented robust user authentication and **authorization via Clerk** for secure access. Designed responsive user interface using **Nextjs, TailwindCSS** and **Shadcn**.
- Optimized data storage and retrieval with **Neon PostgreSQL** and **Drizzle ORM** for scalability and reliability, while integrating **Razorpay** for seamless and secure payment processing.

• **Blended Model for SAR Image Classification** | *Python, Tensorflow, CNN, SVM* [GitHub](#) [🔗](#) | [Demo](#) [🔗](#)

- Developed and implemented a **hybrid model** combining **Convolutional Neural Networks (CNN)** and **Support Vector Machines (SVM)** for **accurate classification** of Synthetic Aperture Radar (SAR) images.
- Achieving superior performance, the CNN+SVM model **delivers 99% accuracy, 99.14% precision, and 99.16% recall**, outpacing other models in both accuracy and classification robustness.
- Classified **military vehicles** (e.g., 2S1, BRDM 2, BTR60, D7, SLICY, T62, ZIL131, ZSU) to enhance ATR performance and advanced SAR imagery.

• **ChatterBox - Chat App** | *MERN, Socket.io, Daisy UI, Tailwind CSS* [GitHub](#) [🔗](#) | [Demo](#) [🔗](#)

- Integrated **Socket.io** for **real-time messaging** and online user status updates. Created **authentication** and authorization using **JWT** to ensure secure access. Developed robust **error handling** on both the server and client sides.
- Utilized **TailwindCSS** and **Daisy UI** for a modern, responsive, and visually appealing user interface. Managed global state with **Zustand** for efficient **state management** across the application.

## TECHNICAL SKILLS

**Languages:** C++, Java, Javascript, Python, MySQL  
**Technologies/Framework:** Node.js, Bootstrap, Express.js, MongoDB, React.js, Next.js, Tailwind CSS PostgreSQL, Git, GitHub, Kanban  
**Developer Tools:** VS Code, Android Studio, Jira, Eclipse, keil uVision

## EXTRACURRICULAR

• **EESA [Electronic Engineering Student Association]** Sept 2023 - Oct 2024

### Joint Event Management Head

- Organized Department Event in College Technical Event [PERCEPTION].

• **I2IC [Institute to Industry Connect]** Oct 2023 - Oct 2024

### Council Active Member

- Volunteer on Campus Placement Drive of VIIT, VIT.

## PROFILE LINKS

**LeetCode:** Solved 350+ problems, achieving a maximum rating of 1450. [LeetCode](#) [🔗](#)  
**GeeksforGeeks:** Solved 100+ problems, with a highest ranking of 1651. [GeeksforGeeks](#) [🔗](#)