Vaibhav Bhosale

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EDUCATION

2022 - 2026	**Vishwakarma Institute of Information Technology, Pune**	
	Bachelor of Technology in Electronics and Telecommunication	(**GPA: 7.75**)

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 300+ problems, achieving a maximum rating of 1450. *LeetCode* ⬈
GeeksforGeeks: Solved 100+ problems, with a highest ranking of 1651. *GeeksforGeeks* ⬈