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

  · Developed the dynamic and responsive web pages using **HTML**, **CSS**, **JavaScript**, and **Bootstrap**, designed and executed visually stunning and highly functional user interfaces, leading to increase in user engagement.

  · 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 **30% increase** in user engagement metrics.

PROJECTS

- **VirtueHireX-AI Mock Interview** | *Next.js, Gemini, Neon PostgreSQL, Drizzle ORM*   *GitHub* | *Demo*

  · Integrated **Google Gemini** to dynamically generate job-specific interview questions, enabling **real-time video/audio recording**. Enhanced interactivity with **Text-to-Speech** and **Speech-to-Text** capabilities, allowing seamless user responses and generating **AI-driven feedback** with actionable improvement suggestions and performance ratings.

  · Implemented robust user authentication and **authorization via Clerk** for secure access. Designed an intuitive and responsive user interface using **TailwindCSS** and **Shadcn**, while optimizing data storage and retrieval with **Neon PostgreSQL** and **Drizzle ORM** for reliability and scalability.

- **Blended Model for SAR Image Classification** | *CNN, SVM*   *GitHub* | *Demo*

  · Designed and implemented a **hybrid model** combining **Convolutional Neural Networks (CNN)** and **Support Vector Machines (SVM)** for **accurate classification** of Synthetic Aperture Radar (SAR) images.

  · Focused on classifying **military vehicles** including **2S1, BRDM_2, BTR60, D7, SLICY, T62, ZIL131, and ZSU**, significantly enhancing **Automatic Target Recognition (ATR)** performance.

  · Achieved advancements in **SAR imagery processing** by leveraging **machine learning techniques** to address real-world challenges in **remote sensing applications**.

- **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, Mongo DB, React JS, Tailwind CSS, Next JS, PostgreSQL, Git, Github,
Developer Tools:	VS Code, Android Studio, Eclipse, keil uVision, Scilab, Atmel Studio

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** • **Geeksforgeeks**