

VAIBHAV RANJAN

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Summary

B.Tech CSE student skilled in MERN stack, Next.js, Python, and DSA. Experienced in building web apps, desktop tools, and basic ML with Scikit-learn. Seeking opportunities to learn and contribute through projects and internships.

Skills and Expertise

- **Technical Skills:** TypeScript, Next.js, Node.js, Express.js, MongoDB, MySQL, Python, C, C++, Java, Data Structure and Algorithms
- **Tools/Software:** Git, GitHub, Postman, VS Code, Google Colab, MediaPipe, Tkinter, Selenium
- **Soft Skills:** Problem Solving, Team Collaboration, Time Management, Fast Learner, Adaptability

Projects

InTouch – Sign Language Translator | 05/2025 - 06/2025

[Demo](#) | [GitHub Repo](#)

- Built a real-time gesture recognition app using **Next.js**, **MediaPipe**, and **Python APIs**.
- Trained and integrated a custom ML model with **Google Colab** (180+ images/class).
- Enabled camera input, live prediction, and two-way gesture–text translation.

YC Directory – Startup Pitch Platform | 07/2025

[Live](#) | [GitHub Repo](#)

- Built a **Next.js** web app where users can pitch and explore startup ideas.
- Integrated **Sanity** for content management and **Markdown editor** for rich-text pitch submissions.
- Implemented **NextAuth** for secure user authentication.

Password Manager – Desktop Application | 07/2025

[Demo](#) | [GitHub Repo](#)

- Built a **Python-based desktop app** to securely store and manage user credentials.
- Designed a user-friendly **GUI** for cross-platform use with features like password generation and search.

Education

GB Pant DSEU Okhla 1 Engineering College

Bachelor of Technology in Computer Science and Engineering
08/2023 – 08/2027

SoSE, Civil Lines – 110054

12th – 87.6%

05/2023

Experience

HackPrix Season 2 (Hyderabad) - 06/2025 - Onsite

- Developed “InTouch” – a web platform for translating hand gestures into text and vice versa.
- Built the frontend with **Next.js**, trained ML model using **Google Colab**, and wrote the backend in **Python**.
- Recognized for innovative integration of gesture recognition with real-time web UI.