

# VAIBHAV RANJAN

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## Summary

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Web Developer with hands-on experience in MERN and Next.js stack. Built real-world projects like a gesture recognition app and full-stack blog platform. Skilled in Python automation, GUI tools, and data scraping. Strong grasp of DSA. Eager to apply and expand skills through impactful projects and internships.

## Skills and Expertise

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- **Technical Skills:** HTML, CSS, JavaScript, React.js, Next.js, Node.js, Express.js, MongoDB, MySQL, Python, C, C++, Java, Data Structures 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

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### Full Stack Developer (Project) | *InTouch – Gesture* | 05/2025 - Present - [Link](#)

- 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.

### MERN Stack Developer (Project) | *Blog CRUD Application* | 04/2025 - [Link](#)

- Built a full-stack blog platform using **React.js**, **Node.js**, **Express**, and **MySQL**.
- Integrated **JWT** for authentication, created protected routes, and implemented role-based access.

## Education

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GB Pant DSEU Okhla 1 Engineering College  
Bachelor of Technology in Computer Science and Engineering  
08/2023 – 08/2027

SoSE, Civil Lines – 110054  
12<sup>th</sup> – 87.6%  
05/2023

## Experience

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### Participant – Smart India Hackathon (SIH) - 12/2024 - Remote

- Contributed to solving a real-world problem with a tech-based solution using a full-stack web app.
- Worked collaboratively with a team to brainstorm, design, and implement the solution under tight deadlines.

### 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.