

Vaibhav Raj

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SKILLS

- **Languages:** C/C++, Python, JavaScript (ES6+), PHP
- **Frameworks & Libraries:** ReactJS, NodeJS, Express, HTML and CSS, Bootstrap, TailwindCSS
- **Tools/Platforms:** MySQL, MongoDB, Git, GitHub, Figma
- **Core CS Fundamentals:** DBMS, OS, CN, OOPs
- **Soft Skills:** Time Management, Leadership, Problem-Solving, Adaptability, Quick Learner

PROJECTS

Portfolio Website | [GitHub](#) | [Live](#)

Apr' 25

- Built a personal portfolio site that increased recruiter engagement by presenting projects, achievements, and skills in a structured, modern interface.
 - Refined performance and layout flow, reducing page **load time** and improving navigation smoothness.
 - Applied responsive UI techniques, improving mobile accessibility across devices with a **95%** responsiveness score.
- Tech stack:** HTML5, CSS3, JavaScript (ES6+), React.js, TailwindCSS, Responsive UI

Travel Planner Chatbot | [GitHub](#) | [Live](#)

Feb' 25

- Engineered an interactive chatbot that provided personalized travel planning based on user budget, destination, and trip duration.
 - Incorporated real-time data from APIs for weather, hotels, and attractions to provide accurate travel guidance.
 - Integrated **real-time API** (Weather), delivering up-to-date recommendations with **95%** data accuracy.
- Tech stack:** API Integration, HTML/CSS, JavaScript, TailwindCSS, Git, GitHub

Real-Time Process Monitor | [GitHub](#)

Dec' 24

- Crafted a real-time application to monitor active system processes and resource usage on systems.
 - Implemented process tracking using system APIs with optimized memory and **CPU usage** handling and Utilized programming concepts like **multithreading** and data visualization for dynamic performance updates.
 - Delivered a tool that enhanced system awareness and troubleshooting efficiency for end users. resulting in a user satisfaction score of **90**.
- Tech stack:** Python, psutil, Tkinter, Multithreading, System Monitoring

TRAINING

[Logic Building, Programming and Data Structures](#) - LPU

Jun' 25 – Jul' 25

- Learnt core concepts of programming logic, control structures, functions, arrays, pointers, and data structures such as stacks, queues, and linked lists.
- Developed strong problem-solving skills by working on algorithmic challenges and structured programming exercises.
- Applied programming principles to write optimized, modular, and efficient code using languages like **C/C++**, focusing on clarity and performance.

CERTIFICATES

- Introduction To Internet of Things – NPTEL IIT Kharagpur | [Link](#) Apr' 25
- Web Development – Rising Tech Pro | [Link](#) Mar' 24
- Python-3 Bootcamp – Udemy | [Link](#) Feb' 24
- Legacy Responsive Web Design V8 – freeCodeCamp | [Link](#) Nov' 23

EXTRA-CURRICULAR ACTIVITIES

- [Web-ka-Hackathon](#) – Lovely Professional University Mar' 24
- Built and refined a working prototype within 24 hours during a hackathon, showcasing high-pressure problem-solving, collaboration, and fast technical execution.
- [Volunteered](#) – SABAL (NGO) Jul' 24
- Assisted in educational and social-impact initiatives by supporting project activities, engaging with students, and contributing to community-focused outcomes.

EDUCATION

- **Lovely Professional University** Phagwara, Punjab
Bachelor of Technology - Computer Science and Engineering; **CGPA: 7.51** Since Aug 23
- **Sher Saha College** Sasaram, Bihar
Intermediate; **Percentage: 74%** Apr' 20 – Mar' 22
- **D.A.V. Public School** Sasaram, Bihar
Matriculation; **Percentage: 83%** Apr' 19 – Mar' 20