

Raghav Bhargava

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Professional Summary

Full-Stack Developer skilled in designing, building, and deploying web applications using the MERN stack. Proficient in REST API development, containerized deployments with Docker, and cloud-based integrations. Passionate about developing web applications that solve real-world problems.

Education

I.K. Gujral Punjab Technical University

Bachelor of Computer Applications (CGPA: 9.27)

Hoshiarpur, Punjab
Sept 2022 – June 2025

Relevant Coursework

- Data Structures and Algorithms
- Database Management Systems
- Internet Security
- Machine Learning
- Web Development
- Object-Oriented Programming
- Software Engineering
- Computer Networking

Technical Skills

Languages:	C++, Python, JavaScript, SQL, HTML, CSS
Frameworks/Libraries:	React.js, Next.js, Node.js, Express.js, Flask, Tailwind CSS
Databases:	MongoDB, MySQL
Developer Tools:	VS Code, Git, GitHub, Postman
Cloud & Deployment:	Docker, AWS EC2, Vercel, Render
Other Technologies:	REST APIs, WebSockets, Judge0, Linux OS

Projects

Code Of War 2025 – Present

- Developed a real-time multiplayer coding platform with private lobbies and WebSocket-based contest functionality, enabling friends to compete live.
- Integrated Judge0 code execution engine and a Python-Flask backend to support multi-language code execution and cyclomatic complexity analysis.
- Built a containerized architecture for scalable deployments using Docker and AWS EC2.

Tech Stack: Next.js, MongoDB, Judge0, Flask, Python, Node.js, Docker, AWS EC2, Tailwind CSS

Academic Feedback System 2024

- Designed a secure, role-based academic feedback system with authentication, access control, and feedback analytics.
- Automated email delivery of expirable feedback forms and performance insights using Chart.js.
- Implemented weighted scoring based on student performance.

Tech Stack: React.js, Node.js, MySQL, Nodemailer, Chart.js

DisasterSHIELD — Hackathon Winner 2025

- Developed a disaster prediction and response system integrating machine learning and donation system using Razorpay API.
- Developed a Gemini-powered chatbot and map-based resource mapping using Leaflet.js.

Tech Stack: Next.js, Flask, Python, MongoDB, Razorpay API, Leaflet.js

FundBay 2024

- Built a crowdfunding platform featuring Razorpay integration, user dashboards and secure authentication.

Tech Stack: Next.js, Razorpay API, Tailwind CSS

Achievements

- **GNA Hackathon 3.0** - Achieved 2nd position.
- **HackTheBlock 2.0** - Reached Top 10 Finalists.