

ISHANT RAI

ishantra880@gmail.com | +919506385886 | Varanasi, Uttar Pradesh, India | [LinkedIn](#) | [GitHub](#)

Education

Lovely Professional University, Jalandhar, PunjabAugust 2022 –Present

Bachelor of Technology - Computer Science and Engineering

Courses: Data Structures, Design and Analysis of Algorithms, Computer Networks, Operating System, Computer Organization and Architecture, Database Management Systems, Programming Languages

Skills Summary

- Programming Languages:** Java, C, C++, Python, HTML, Tailwind CSS, JavaScript, TypeScript, Next.js, React.js, Node.js, SQL
- Technologies:** Java Spring Boot, Node.js, Express.js, MongoDB, MySQL, Firebase, FastAPI, React.js, React Native, Socket.io
- Databases:** MySQL, MongoDB
- Version Control:** Git, GitHub
- Soft Skills:** Resilience, Leadership, Organization
- Other Tools:** Proficient in applying data structures and algorithms

Projects

- Hotel Management System Website (RoomHunt)
- Developed a web application to streamline hotel operations and booking management, serving customers and administrators.
 - Built a scalable backend using Node.js and MongoDB, optimizing real-time reservation handling and reducing operational inefficiencies by 50%.
 - Engineered a responsive user interface leveraging Tailwind CSS and React.js that facilitated an enhanced booking process, leading to the identification of three critical areas for improved customer engagement by 30%.
- DriveDosti Website
- Designed and developed a React-based carpooling platform hosted on Vercel that connects users for seamless ride-sharing services.
 - Implemented a user-friendly interface to enhance navigation and improve engagement, increasing user satisfaction by 35%.
- Inventory Management System (Maa Sarswati Trader's)
- Developed a PHP-powered inventory system for grocery stores, optimizing stock management and generating automated sales reports.

Certifications

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|---|---------------|
| • Programming in C (Coursera) | Jan-Mar 2023 |
| • Full-Stack Web Developer Certification (Coursera) | Feb-Jun 2023 |
| • Programming in Java (GFG) | Jul-Oct 2023 |
| • Generative AI and Deep Learning (Coursera) | Jan-May 2024 |
| • Mastering Data Structures & Algorithms (C and C++) (By Abdul Bari, Udemy) | Feb-July 2024 |
| • Design & Implementation of Human-Computer Interfaces (NPTEL, IIT Guwahati) | Jul-Oct 2024 |

Volunteer Experience

- Community Development Project Intern, Grib Sahayek Sewa SamitiMay–July 2024
- Led a student empowerment initiative, delivering interactive workshops and inter-generational events, boosting engagement by 35% and fostering community collaboration.
 - Streamlined program delivery by implementing efficient workshop frameworks, reducing logistical challenges and increasing operational efficiency by 25%.

Achievements

- Designed an advanced **Hotel Management System** that centralized reservation data, enabling real-time updates and reducing double bookings by 75%.

Extra-curricular Activities

- Kabaddi** - Competed in **inter-school Kabaddi tournaments**, demonstrating teamwork, strategic play, and athletic discipline.