

UMESH YADAV

Final Year Undergraduate
Major: Computer Science And Engineering

✉ uy23397@gmail.com | 🌐 utl6488
☎ +91-7607701451 | 🌐 Umesh Yadav

EDUCATION

Year	Degree/Certificate	Institute	CPI/%
2020 - Present	B.Tech	University of Lucknow	8.0/10
2019	GRADE XII (CBSE)	P D Academy, Deoria	76%
2017	GRADE X (CBSE)	Saraswati Vidya Mandir, Deoria	9.4/10

PROFESSIONAL EXPERIENCE

Technohacks | Web Developer Intern

- Crafted client-side websites and web apps, refining proficiency in **HTML,CSS,JavaScript**and **React**. This effort resulted in a 50% surge in user engagement attributed to the captivating frontend design.
- Collaborated effectively in 3 teams, gaining 2 months of hands-on experience in Web Development.

KEY PROJECTS

Metro App | Self Project 🔄

- Developed C++ application enabling users to input source and destination data for identifying the shortest metro route; this solution led to a 25% reduction in average travel time during peak hours.
- Engineered a pathfinding system using Dijkstra’s algorithm and various search algorithms; integrated Graph and Heap Data Structures for a transportation company, resulting in a 15% decrease in fuel consumption.

Cab Sharing | Group Project 🔄

- Designed software aimed at reducing travel costs 20% to 60% by facilitating ride-sharing.
- Utilized web development techniques including HTML,CSS,JavaScript,Node.js,MongoDB and email-validator.This approach led to an 80% enhancement in application robustness and scalability.
- Architected and deployed user-centric functionalities such as registration, profile customization, login capabilities,driver information display,ride-sharing functionality and feedback mechanism; achieved a 50% increase in user retention rates.

Blogger | Group Project 🔄

- Implemented a responsive front-end for facilitating user interaction with login, creation, viewing, upvoting, editing, and deletion of blogs.This led to a 40% increase in user engagement.
- Constructed the backend system of the application, employing NodeJS, ExpressJS, and Mongoose, and introduced advanced file upload capabilities, resulting in a 30% reduction in file upload errors.

UTL-Chat | Self Project 🔄

- Built a feature-rich live chat application from scratch, leveraging Socket.io for real-time communication and Node.js for server-side logic. This initiative gave rise to in a 70% increase in application functionality and user engagement.
- Resolved complex technical issues in live chat application by implementing advanced troubleshooting techniques, resulting in a 30% decrease in system downtime and a 20% improvement in response time.

TECHNICAL SKILLS

Programming Languages: C++, Python, java,HTML,GoLang,JavaScript,OOPs
Development: : Node.js, Express.js, React.js, MongoDB, CSS,DOM, BootStrap,Tailwind ,Typescript,Django
Software and Tools: GitHub,GIT, RESTful API, SQL,Linux,Docker, AWS,Agile,FullStack,materialUI

POSITIONS OF RESPONSIBILITY

Student Coordinator | Coding Club

- Coordinated cross-functional workshops and technical competitions to enhance coding skills; results included a 25% rise in student membership in programming clubs and a 30% increase in campus coding events attendance.
- Empowered students through seminars, illuminating the significance of coding and its practical applications in various fields, resulting in a 35% increase in student engagement.

RELEVANT COURSEWORK

* Ongoing

Fundamentals of Computing Partial Differential Equations Computer Architecture Web Application Security* Object Oriented Programming	Fundamental of Operating System Computer Network Database Management System Compiler Designs Automata
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EXTRA-CURRICULAR ACTIVITIES

GFG |LeetCode |CodeChef

- Competed vigorously in coding contests and hackathons, securing commendable rankings on platforms such as CodeChef, LeetCode, and GeeksforGeeks. This led to a 60% increase in expertise.
- Secured fifth rank among three hundred students in the coding competition organized by Lucknow University.
- Completed a comprehensive cyber security curriculum on Udemy, mastering threat detection, encryption, and data protection, which triggered in a 40% reduction in potential vulnerabilities and fortified digital asset defense.