



## SKILLS

- **Language:** C, C++, Python, Java, JavaScript.
- **WEB Technology:** HTML, CSS, JavaScript, DOM, React, Node.js, Express.js, Mongoose, Tailwind CSS.
- **DBMS:** SQL, MongoDB.
- **Version-Control:** Git, GitHub.
- **Subject:** DBMS, OOPs, Data structure and algorithm (intermediate).

## PROJECTS

### Uber Clone (Tech used: react.js, tailwind CSS, node.js, express.js, mongoose)

- Developed a full-stack Uber clone with real-time ride tracking using React, Express, and Socket.io
- Implemented JWT authentication with Passport.js and role-based access control (driver/passenger)
- Created geolocation features using MongoDB geospatial queries to match riders with nearby drivers
- Designed responsive UI with Tailwind CSS supporting both passenger and driver interfaces
- Secured application with Helmet, CORS policies, and input validation using express-validator
- Optimized database performance with proper indexing for geospatial data queries
- Established real-time communication for ride status updates using Socket.io

### DSA Visualizer (Tech used: HTML, CSS, JavaScript, DOM)

- Developed an interactive **DSA Visualizer** to demonstrate key data structures and algorithms, including **Stack, Queue, Circular Queue, Deque, Sorting, Linked List, Doubly Linked List, Circular Linked List, Hashing, Tree, Max Heap, Min Heap, and Graph**.
- Integrated **real-time animations** to illustrate complex DSA concepts, improving learning efficiency for students and developers.
- Optimized performance and **enhanced interactivity** for smooth visualization and seamless user interactions.

## EXPERIENCE

### Team Project: Online Voting System | *NIT Jamshedpur Hackathon*

- Collaborated in a team to design and develop a decentralized online voting system using *Blockchain (Ethereum, Solidity)* and *web development (MERN stack: MongoDB, Express.js, React, Node.js)*.
- Implemented smart contracts to ensure secure, tamper-proof voting and transparent vote tallying.
- Integrated a user-friendly frontend for voter authentication and real-time results, improving accessibility.
- Recognized for *innovation in governance tech* (or mention any awards/feedback if applicable).

## EDUCATION

SGPA: 6.55 / 10 (1<sup>st</sup> semester)

B.Tech in Computer Science and Engineering  
Ramgarh Engineering College (2023–2027)