

Abhishek Singh

Results-driven final-year Electrical Engineering student at MNIT Jaipur with hands-on experience in full-stack development and DevOps practices. Demonstrated expertise through development of production-ready applications using MERN stack and modern cloud technologies. Proficient in AWS services, containerization, and infrastructure automation, with practical experience in implementing CI/CD pipelines and microservices architecture.

EXPERIENCE

Hashnode -Technical Content Writer✈️

Jul 2024 - Present

- Created hands-on implementation guides for AWS services.
- Developed and shared practical code examples.

OPEN SOURCE CONTRIBUTIONS

- Contributed bug fixes and feature enhancements to community projects on GitHub
- Submitted pull requests to improve documentation and codebase quality for open source libraries
- Actively participate in code reviews and technical discussions in developer communities.

EDUCATION

MNIT JAIPUR – B.Tech in Electrical Engineering

December 2021 - May 2025

- Relevant Coursework: Data Structures & Algorithms, Object-Oriented Programming, Cloud Computing.

PROJECTS

Real-time Chat Application (MERN Stack)[Live-Server](#) || [GitHub](#)

- Architected and deployed a scalable real-time chat platform using **MongoDB, Express.js, React.js, and Node.js**.
- Implemented **WebSocket** communication using **Socket.io**, enabling instant **message delivery**.
- Designed a secure **user authentication system** using **JWT tokens**, achieving **zero security vulnerabilities**.
- Optimized application performance using React's virtual DOM

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GitHub:[github.com/ abhiya492](https://github.com/abhiya492)

Leetcode:<https://leetcode.com/u/2021uee1669/>

Portfolio:<https://abhi-project-portfolio.netlify.app/>

SKILLS

Infrastructure & DevOps:

- Linux environment development and deployment
- AWS cloud infrastructure (EC2, S3, Lambda)
- Docker, Kubernetes (K8s) - Containerization and orchestration
- CI/CD pipelines (Jenkins)
- Performance monitoring with Prometheus, Grafana, NewRelic

Programming & Development:

- Languages:Python
- Frontend: React.js, Next.js, JavaScript/ TypeScript
- Backend:Node.js,Express.js,Socket.io,RESTful API Design
- Message Queues & Streaming:Kafka, RabbitMQ, Redis Pub/Sub

Databases & Data Management:

- SQL (PostgreSQL, MySQL) - Query optimization, indexing, transaction management
- NoSQL (MongoDB, Redis) - Distributed data modeling, caching strategies
- Database migration management and performance tuning
- ORM- Prisma

System Design & Architecture:

- Microservices architecture
- RESTful API design
- Object-oriented design and design patterns
- Test-driven development with comprehensive

and efficient **state management** with **Zustand**.

- Implemented responsive UI using **TailwindCSS** and **DaisyUI**, **resulting in 95% mobile responsiveness score**.
- Successfully **deployed** the application on **Render**.

unit/integration testing

Software Engineering:

- Algorithm Problem Solving (350+ LeetCode problems solved)
- Code optimization and performance tuning

Ticketing Marketplace SaaS [Live-Server](#) || [GitHub](#)

- Developed a full-stack ticketing platform using **Next.js 15**, featuring **real-time queue management** and automated ticket distribution.
- **Integrated Stripe** Connect for secure payment processing, handling transactions worth \$XXX in testing phase.
- Built a comprehensive **seller dashboard** with **real-time analytics and event management capabilities**.
- **Implemented TypeScript** for enhanced code reliability and maintainability, **reducing bug reports by 60%**.
- Utilized **Shadcn** and **Tailwind CSS** for creating an intuitive user interface with positive user feedback.
- Proficient in TypeScript and **deployed** the application using **Netlify**.

CERTIFICATIONS

- AWS Technical Essential
- Master the Linux Command Line by Udemy ([Udemy](#))
- JavaScript Algorithms and Data Structures ([freeCodeCamp](#))

LANGUAGES :

Professional proficiency in **Hindi** and **English**.