

Vansh Tyagi

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Education

Meerut Institute of Engineering and Technology, Meerut
Bachelor of Technology in Computer Science and Engineering

Aug 2022 – May 2026
CGPA: 7.7/10

Relevant Coursework

- Data Structures
- Object Oriented Programming
- Database Management
- Computer Networks
- Cloud Computing
- Web Development

Projects

Bro's Ride - Carpooling App | React.js, Spring Boot, MySQL

Jan 2025 – Present

Currently developing a campus ride-sharing solution that connects verified students for sustainable travel while reducing costs and carbon footprint, targeting a user base of 500+ students.

Built a cross-platform carpooling website using React.js for frontend and Spring Boot for backend, implementing RESTful APIs for efficient data handling and seamless integration.

Integrated user authentication and authorization features with secure session management and role-based access control.

Army Base Inventory and Fault Tracking System | React.js, Spring Boot, SQL

Jan 2025 – March 2025

Engineered a comprehensive digital system to streamline and manage army base workshop operations, reducing manual paperwork by 60% and improving tracking accuracy.

Developed a responsive web application with React.js frontend for smooth user interaction and Spring Boot backend for efficient API handling.

Implemented CRUD operations for inventory management and fault reporting, allowing technicians to log, update, and track equipment issues in real-time.

AI Trip Planner (Full Stack Project) | React.js, Spring Boot, MySQL, OpenAI API

Dec 2024 – Jan 2025

Built and deployed a full-stack AI-powered travel planning platform using React.js, Spring Boot, and MySQL for intelligent itinerary generation.

Developed RESTful APIs with JWT-based authentication for secure user access and session management, ensuring data privacy and authorization.

Integrated OpenAI API to generate intelligent travel itineraries based on user inputs like destination, budget, and duration with real-time processing.

Designed a responsive, interactive frontend for real-time trip creation and itinerary visualization, focusing on clean architecture and modular backend services.

BookMyMovie | Java, JDBC, SQL

Oct 2024 – Nov 2024

Designed and developed a movie ticket booking system to simulate real-world platforms like BookMyShow with user-friendly interface and smooth booking flow.

Developed a fully functional booking application using Java (JDBC) with SQL database integration, implementing normalized database schema for efficient data storage.

Implemented features like movie listing, seat selection, ticket booking, and cancellation with real-time availability updates and transaction management.

Technical Skills

Programming Languages: JavaScript, Java

Web Technologies: HTML5, CSS3, React.js

Backend Frameworks: Spring Boot, Microservices Architecture

Database Systems: MySQL

Cloud & Tools: AWS (Cloud Practitioner Certified), Git, GitHub, Postman, VS Code

Achievements/Certifications

AWS Cloud Practitioner Certified – Demonstrated foundational cloud computing knowledge and AWS services proficiency.

Indian Army Internship Certificate – Successfully completed technical internship at Army Base Unit with commendation.

NCC 'B' Certificate holder – Demonstrated leadership, discipline, and teamwork in National Cadet Corps.

Completed 100+ coding problems on various platforms including LeetCode and CodeChef.

All Certificates: [View All Certificates](#)