



DARSHAN WALHE

Backend Developer | REST API | Node.js & Express.js

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<https://github.com/1510darshan>

EDUCATION

Bachelor of Technology (B.Tech) – Computer Science Engineering

NMIMS, Shirpur

2023 – 2027

LANGUAGE

- English
- Hindi
- Marathi

PROFILE

B.Tech Computer Engineering student skilled in designing and implementing scalable RESTful APIs using Node.js, Express.js, and modern databases. Experienced in secure authentication, real-time communication, and automation workflows. Passionate about backend architecture, performance optimization, and building efficient server-side systems.

WORK EXPERIENCE

Train Booking System (Full Stack Project) Mar - 2024

- Designed and developed REST APIs using Node.js, Express, and MSSQL for booking, seat management, and ticket confirmation.
- Implemented logic for real-time train status, cancellation, and alternate train suggestions.
- Integrated backend with React-based frontend, handling data validation and API optimization.

Authentication System | Secure

Jan 2024 – Mar 2024

Node.js Backend

- Tech Stack: Node.js, Express.js, MongoDB, JWT, bcryptjs, Mailtrap
- Built a robust authentication backend with email verification, password reset, and secure session management.
- Implemented JWT-based authentication with HTTP-only cookies for enhanced security.
- Used bcryptjs for password hashing and Mailtrap for email verification and password recovery.
- Added rate limiting and token validation to prevent unauthorized access.
- Designed clean, modular routes and middleware for maintainability and scalability.

InterviewX | AI-Powered Interview Management Platform

Aug - 2025

Tech Stack: Node.js, Express.js, MongoDB, React, Vite, Socket.IO, JWT

- Built RESTful APIs for authentication, scheduling, and analytics using Node.js and Express.
- Integrated real-time chat, video interviews, and notifications via Socket.IO.
- Designed AI-based modules for automated interview conduction and evaluation.
- Implemented role-based access control and secure file management with JWT middleware.
- Developed a modular React + Vite frontend with seamless backend integration.

Ration Tracker | Android Application

Nov - 2025

Tech Stack: Java, Android SDK, SQLite, Material Design, View Binding

- Developed an Android app for tracking and managing food ration inventory and transactions.
- Implemented secure user authentication, profile management, and local database integration using SQLite.
- Designed a modern, responsive UI with Material Design components and View Binding.
- Added features for transaction history, item management, and user-specific analytics.
- Focused on app performance, clean architecture, and intuitive user experience.

TECHNICAL SKILLS

Programming: JavaScript (ES6+), TypeScript, Python, Java, React

Backend: Node.js, Express.js

Databases: MongoDB, MySQL, MSSQL

Tools & Platforms: Postman, Git, VS Code, XAMPP, npm, Android Studio, Unity

Other: RESTful API Design, Authentication (JWT), Debugging, Error Handling

HACKATHON EXPERIENCE

Yugantar Hackathon 2025 | NMIMS Shirpur — Secured 3rd Place

Problem Statement No. 25032 — Smart Digital Platform for Eco & Cultural Tourism (Smart India Hackathon)

- Designed and developed a smart AI-powered digital tourism platform promoting sustainable tourism in Jharkhand.
- Built AI-based personalized itinerary generator and multilingual chatbot for tourists.
- Integrated Blockchain for secure transactions and AR/VR previews of cultural and natural sites.
- Implemented real-time transport tracking and local marketplace module for tribal handicrafts and events.
- Created an analytics dashboard to help government officials track tourism trends and visitor sentiment.
- Collaborated in a 24-hour sprint under pressure, demonstrating teamwork, problem-solving, and innovation.

RELEVANT COURSEWORK

Data Structures and Algorithms | DBMS | Operating Systems | Computer Networks | Web Technologies

PORTFOLIO & LINKS

GitHub: github.com/1510darshan

LinkedIn: linkedin.com/in/darshanwalhe