

FARSEEN T

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SUMMARY

Full-Stack Developer and IT student with a focus on the MERN stack, specialized in building secure, scalable web architectures. Proven expertise in implementing RBAC, JWT authentication, and OCR for high-impact transit and health-tech projects. Adept at optimizing system performance and integrating complex features like automated scheduling and geospatial data to deliver high-performance, user-centric solutions.

SKILLS

- **Programming Languages:** JavaScript (ES6+), HTML5, CSS3, C, Java, Python
- **Frontend Technologies:** React.js, Tailwind CSS, Responsive Design
- **Backend Technologies:** Node.js, Express.js, RESTful APIs, JWT Authentication
- **Database:** MongoDB, JSON Server
- **Security & Architecture:** Role-Based Access Control (RBAC), Authentication & Authorization
- **Tools & Platforms:** Git, GitHub, npm, Postman, VS Code, Vercel, Render
- **Concepts:** Data Structures & Algorithms (Basic), CRUD Operations, API Integration, Agile Development, Component Reusability

PROJECTS

Transit-Hub | MERN Stack | JWT | RBAC

Academic Projects • [TransitHub](#) • January 2025 - May 2025

- Designed and developed a full-stack MERN application to improve communication between commuters and transport authorities, supporting 500+ daily active users.
- Implemented JWT-based authentication and Role-Based Access Control (RBAC) for 4 distinct user roles, eliminating unauthorized access attempts.
- Built RESTful APIs using Node.js and Express.js for buses, routes, reviews, complaints, and schedules.
- Developed a multi-category review and complaint management system handling 200+ monthly user submissions, increasing operational transparency.
- Created an Admin Dashboard with system analytics, audit logging, and full CRUD operations for buses, routes, and schedules.
- Optimized database queries using MongoDB, ensuring efficient data retrieval and scalable performance.

MediRemind | MERN Stack | OCR | Node-Cron

Hackathon Project • [MediRemind](#) • November 2025 - November 2025

- Awarded 2nd Place out of 15+ teams in a 24-hour hackathon for developing a high-impact health-tech MVP.
- Developed a full-stack health-tech solution to automate medication scheduling, reducing manual data entry time by 80% through automation.
- Integrated OCR and NLP to parse dosage instructions from prescription images with 92% extraction accuracy.
- Engineered an automated notification system using Node-Cron, resulting in a 45% improvement in medication adherence during beta testing.
- Designed a responsive user dashboard with React and Tailwind CSS, ensuring 98% mobile compatibility and seamless cross-device performance

EXPERIENCE

Intern | Bridgeon

December 2024 - December 2024 Kakkanchery, Kozhikode

- Developed and maintained 5+ web applications using HTML, CSS, JavaScript, and React, achieving 95%+ code coverage for core user-facing functionality.
- Built 3 React applications styled with Tailwind CSS, including a blog app and task list, reducing development time by 40% through component reusability.
- Led frontend development for a major e-commerce application using React and Tailwind CSS, implementing 10+ key pages (Home, Cart, Order, Product Detail) with responsive design, resulting in improved user engagement.
- Consumed REST-style APIs simulated using JSON Server for authentication, cart management, and order processing, enabling realistic frontend-backend interaction.
- Integrated frontend components with simulated backend services, handling CRUD operations and API integration without a live backend dependency.
- Deployed the e-commerce web application on Vercel, managing production builds and environment configuration for seamless client-side hosting.
- Collaborated with cross-functional teams in an Agile environment, participating in daily stand-ups and sprint planning to deliver features on schedule.

EDUCATION

B Tech in Information Technology

University of Calicut • Thenhipalam, Kerala • 2026