Thakor Tusharkumar Amarsinh

B.Tech Computer Science and Engineering — IITRAM, Ahmedabad

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Professional Summary

Backend and Full-Stack Developer with strong fundamentals in Data Structures, Algorithms, and Object-Oriented Programming. Experienced in designing RESTful APIs, authentication systems, and database-driven applications using Node.js, Express.js, React, MongoDB, and Firebase. Hands-on experience in building scalable web and mobile applications with real-time features. Actively seeking a software development internship to work on production-level systems.

Education

Institute of Infrastructure, Technology, Research and Management (IITRAM), Ahmedabad   2023 – 2027

B.Tech in Computer Science and Engineering   CGPA: 7.75 / 10

Technical Skills

Programming Languages: C, C++, JavaScript, Python (basic)
Web Development: Node.js, Express.js, React.js, Next.js, HTML5, CSS3
Databases: MongoDB, MySQL, Firebase
Mobile Development: Flutter, Dart
Core CS Fundamentals: Data Structures & Algorithms, Object-Oriented Programming, DBMS, Operating Systems, Computer Networks
Developer Tools: Git, Postman, VS Code, Electron.js

Projects

Food Delivery Web Application — *Node.js, Express.js, Next.js, MongoDB, Firebase*

- Designed and implemented **15+ REST APIs** for user authentication, restaurant onboarding, menu management, and order processing.
- Implemented role-based access control for customers and restaurant owners using Firebase authentication.
- Designed MongoDB schema with multiple collections to manage users, orders, restaurants, and menus.
- Integrated real-time order notifications, improving order handling efficiency.

Hospital Management System — *React.js, Node.js, MongoDB*

- Developed a full-stack web application for appointment scheduling, doctor dashboards, and patient record management.
- Built RESTful APIs to synchronize real-time data between doctors and patients.
- Applied modular backend architecture to enhance maintainability and scalability.

BlueColor Freelance Job Platform (Mobile App) — *Flutter, Firebase*

- Engineered a cross-platform mobile application connecting freelancers and clients.
- Implemented job postings, user profiles with ratings, and real-time chat functionality.
- Managed authentication and real-time database updates using Firebase services.

Cab Booking System (Backend) — *Node.js, Express.js, MongoDB, JWT*

- Developed backend services for cab booking, driver allocation, and pricing logic.
- Implemented secure JWT-based authentication for drivers and customers.
- Designed APIs to manage ride lifecycle and user sessions.

Certifications & Achievements

- Secured **3rd Place** in **ANVESHANA – National Level Hackathon 2024**, Atmiya University.
- Certification of Participation: **Machine Learning with Python** –, COE-AIML, IITRAM.
- Certification of Participation **two-day CyberWise Cybersecurity Workshop**.,IITRAM