Afthar N N

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Quick to adapt, Passionate, Contributive, Innovative

Professional Summary

Full Stack Developer skilled in the MERN stack, Next.js, and IoT integrations. Experienced in developing scalable web applications, secure device communication systems, and responsive user interfaces. Strong understanding of backend architecture, real-time communication, and database management. Adaptable, detail-oriented, and driven to deliver impactful solutions.

Technical Skills

Frontend: React.js, Next.js, Redux, Zustand, JavaScript (ES6+), HTML5, CSS3, Tailwind CSS, Material UI, Framer Motion

Backend: Node.js, Express.js, REST APIs, JWT Authentication, Socket.IO

Databases: MongoDB(Mongoose), MySQL

IoT Protocols: MQTT, HTTP, WebSockets

Tools: Git, GitHub, Postman, Altium Designer, HiveMQ MQTT Broker

Hardware: STM32, ESP8266, ESP32

Languages: JavaScript, Python

Experience

Talks & Talks   **Remote**
Frontend Developer Intern   *Feb 2025–Aug 2025*
- Developed responsive React.js web applications using Tailwind CSS and Framer Motion.
- Improved page performance by **30%** through component optimization and lazy loading.
- Collaborated within an agile team to deliver features on bi-weekly sprint cycles.

Education

Mar Athanasius College of Engineering   **Kothamangalam**
BTech in Electronics & Communication Engineering   *2022–2025*
CGPA: 6.97
GPTC Perumbavoor
Diploma in Electronics & Communication, CGPA: 8.31   *2019–2022*

Jama-ath HSS, Thandekad
Higher Secondary (Bio Science)   *2017–2019*

Jama-ath HSS, Thandekad
SSLC   *2016–2017*

Projects

Real-Time Chat Application (MERN + Socket.IO):   `https://bit.ly/3IviZlr`
- Built a real-time chat platform using **MERN stack** and **WebSocket-based messaging**.
- Integrated **Gemini API** for AI-assisted conversation responses.
- Implemented JWT authentication and state management with Zustand.
- Designed a dynamic UI with Framer Motion for fluid animations and transitions.

E-commerce Web Application (MERN Stack):   `https://bit.ly/4pL04DV`
- Developed a secure e-commerce platform with JWT authentication and admin dashboard.
- Integrated **Stripe** for payments and Zustand for global state management.
- Created a modern responsive interface using Tailwind CSS and Framer Motion.

Travel Buddy – Travel Planning Web App (Next.js):   `https://bit.ly/3L10gPF`
- Built a full-stack travel planning web app using **Next.js**, integrating **Google Maps API** for location search and mapping.
- Implemented **PostgreSQL** database with **Prisma ORM** for efficient data modeling and management.
- Developed user-friendly routes for itinerary planning, destination search, and geolocation access.
- Designed responsive UI using Tailwind CSS ensuring seamless user experience across devices.

Smart Sanitary Napkin Dispenser (IoT + Node.js):
- Designed a custom **STM32F103C8T6** board integrated with RFID/UPI authentication.
- Implemented real-time IoT communication using **MQTT protocol** between device and Node.js backend.
- Built a Node.js backend with **Razorpay integration** for payment handling.
- Designed TFT touch interface for user interaction with live device updates.

Awards & Achievements

- Internship Certificate: `http://bit.ly/4nt9ylL`
- Presented mini project (Tri-color LED Traffic System) at GPTC Perumbavoor.
- Conducted seminars on *"Wireless Charging"* and *"Smart Unstaffed Retail using IoT and AI"* at MACE and GPTC.

Languages

Malayalam: Native

English: Professional Proficiency

Hindi: Conversational