# Afthar N N

Pallikavala, Perumbavoor – Kerala, India - 683547

☐ +91 8330020466 • ✉ aftharafthar5@gmail.com

🌐 afthar-portfolio.vercel.app • ⌨ Afthar17 • **in** afthar-n-n-665a29314

*Quick to adapt, Passionate, Contributive, Innovative*

## Professional Summary

Full Stack Developer with expertise in MERN stack and IoT solutions. Passionate about building responsive web applications and embedded systems with secure device communication. Strong problem-solving skills with experience in both frontend development,backend development and hardware programming.

## Technical Skills

**Frontend**: React.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

**IoT Protocols**: MQTT, HTTP, WebSockets

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

**Hardware**: STM32, ESP8266, ESP32

**Languages**: JavaScript, Python

## Experience

**Talks & Talks** **Remote**
*Frontend Developer Intern* *Feb 2025–Present*
○ Developed responsive web applications using React.js with Tailwind CSS and Framer Motion
○ Optimized UI components for better performance and user experience
○ Collaborated in agile development environment

## Education

**Mar Athanasius College of Engineering** **Kothamangalam**
*BTech in Electronics & Communication* *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

Smart Sanitary Napkin Dispenser
○ Developed custom STM32F103C8T6 board with RFID/UPI authentication
○ Implemented MQTT protocol for secure real-time communication between IoT devices and Node.js backend
○ Built Node.js backend with Razorpay integration for payment processing
○ Designed TFT Touch interface for user interaction with MQTT-based status updates

Real-Time Chat Application (MERN + Socket.IO) https://chat-app-uz18.onrender.com/
○ Built a real-time chat app using MERN stack with Socket.IO for instant bi-directional messaging
○ Implemented secure authentication and session management using JWT
○ Utilized Zustand for efficient and lightweight state management across chat components
○ Designed responsive UI with Tailwind CSS and interactive animations using Framer Motion
○ Developed scalable backend with Express.js and real-time event handling via WebSockets

E-commerce Web Application(MERN stack) https://ecommerce-store-pnkp.onrender.com
○ Implemented JWT authentication and admin dashboard
○ Used Zustand for state management and Stripe for payments
○ Developed responsive UI with Tailwind CSS and Framer Motion

IV Drip Monitoring System
○ Designed IoT solution with NodeMCU and Blynk platform
○ Implemented real-time monitoring with flow rate alerts
○ Developed mobile interface for remote control

Todo-list App (React.js) https://todos-app-react-js.netlify.app/
○ Developed interactive task management application with CRUD functionality
○ Implemented dynamic state updates and responsive design
○ Created clean, user-friendly interface with React components

## Awards & Achievements

○ Presented mini project (Tri-color LED Traffic System) at GPTC Perumbavoor
○ Completed seminar on "Smart Unstaffed Retail using IoT and AI" at MACE
○ Conducted seminar on "Wireless Charging" at GPTC Perumbavoor

## Languages

**Malayalam**: Native

**English**: Professional Proficiency

**Hindi**: Conversational