NEERAJ PREMKUMAR

+91 8921586571 • neerajpremkumar61@gmail.com • linkedin.com/in/neeraj-premkumar • github.com/TECH-BOY987

OBJECTIVE

Motivated web development trainee skilled in **HTML, CSS, JavaScript** and **React.js**, eager to build responsive and user-friendly applications while continuously learning modern technologies.

EDUCATION

B.Tech, Electronics and Communication Engineering Sep 2020- Jun 2024
APJ Abdul Kalam Technological University
Vidya Academy of Science and Technology, Thrissur
Relevant Coursework: Computer Architecture, Digital Design

TECHNICAL SKILLS

Languages & Frameworks: HTML, CSS, JavaScript, SQL, Python, React
Software Development Concepts: OOP (Object-Oriented Programming), Data Structures & Algorithms, Multi-threading, Memory Management, Pointers, Dynamic Memory Allocation, REST APIs, JSON
Development Tools & Platforms: Git, GitHub, VS Code, Figma, Linux Command Line, MySQL, Adobe Photoshop

PROJECTS

Weather App | HTML, CSS, JavaScript Jun 2025
Built a responsive web app that fetches real-time weather data using the OpenWeatherMap API.

- Implemented asynchronous JavaScript (fetch API) to retrieve and display data dynamically.
- Designed a clean user interface showing temperature, humidity, and location-based weather updates.
- Added error handling for invalid city names and API failures.

Router 1x3 Design & Verification Oct 2024 – Nov 2024
The router accepts data packets on a single eight-bit port and routes them to one of the three output channels.

- Built a high-performance 1x3 router in Verilog, achieving optimized data routing and distribution in complex systems.
- Optimized data routing and distribution, achieving uninterrupted data flow and 20% reduction in latency, significantly enhancing overall system efficiency.
- **Software/Tools:** ModelSim 18.1, EDA Playground, AMD Vivado.

Real-Time Vehicle Tracking & Fuel Monitoring System Sep 2023 - May 2024
Real-Time GPS-based Vehicle Tracking and Fuel Consumption Monitoring System for Transportation Efficiency.

- Used GPS and fuel sensors for data acquisition; transmitted data to Firebase cloud.Created a Kodular app that retrieves and displays live vehicle location and fuel levels via Firebase.
- **Software/Tools:** Firebase Console,Kodular,Arduino IDE.

CERTIFICATIONS

- The Complete Full-Stack Web Development Bootcamp – Udemy (Aug 2025)
- Introduction to Front-End Development – Simplilearn (Jul 2025)
- Python Programming Training – Spoken Tutorial Project, IIT Bombay (Aug 2023)

Internship - Keltron(May 2023)
Completed a hands-on internship at a government-run electronics and networking center, contributing to system-level hardware and network operations.