MARIMUTHU T

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LinkedIn: [www.linkedin.com/in/marimuthu-t-5a366324a](http://www.linkedin.com/in/marimuthu-t-5a366324a) Location: Tuticorin, Tamil Nadu, India

# PROFESSIONAL SUMMARY

I'm an Electrical and Electronics Engineering graduate who fell in love with coding and decided to switch to IT. I taught myself full-stack web development with HTML, CSS, React, Node.js, Express, and MongoDB, plus mobile development with Java and Kotlin for Android apps. I'm looking for an internship where I can learn from experienced developers and turn my passion for both web and mobile development into real-world skills

# TECHNICAL SKILLS

**Programming Languages:** Java, Kotlin, C, Python, JavaScript

**Mobile Development:** Android Studio, Android SDK, XML

**Backend Technologies:** Firebase, Firebase Realtime Database, Firebase Authentication, RESTful APIs, JSON, API Integration

**Web Technologies:** HTML, CSS, JavaScript, React.js, Node.js, Express.js

**Databases:** Firebase, MongoDB

**Development Tools:** Git, GitHub, Android Studio, Visual Studio Code, Figma

**Other Skills:** MATLAB

# EDUCATION

## Bachelor of Engineering - Electrical and Electronics Engineering

VOC College of Engineering, Anna University 2021 - 2025 | Tuticorin, Tamil Nadu

CGPA: 7.7/10 (77%)

## Higher Secondary Certificate

Sri Ganesar Higher Secondary School 2021 | Tuticorin, Tamil Nadu Percentage: 83%

**Secondary School Leaving Certificate** Sri Ganesar Higher Secondary School 2019 | Tuticorin, Tamil Nadu Percentage: 76%

# PROJECTS

## AIRSCAN - Air Quality Monitoring Android Application

**Technologies: Android Studio, Kotlin, XML, Firebase Realtime Database, RESTful APIs, Machine Learning**

January 2025 – May 2025 (Final Year Project)

Developed comprehensive Android application for real-time air quality monitoring and prediction

Implemented user-friendly interface with real-time data visualization and historical trend analysis and Integrated Firebase backend for data synchronization, user authentication, and cloud storage

Built street-level pollution mapping feature using Google Maps API integration Incorporated machine learning algorithms achieving 91.3% prediction accuracy

Designed responsive UI following Material Design guidelines for optimal user experience

**PhonePe Clone - Digital Payment Application Frontend Technologies: HTML, CSS, JavaScript, Firebase -** September 2023 - November 2023

Created mobile payment platform interface with wallet management functionality

Designed responsive user interface compatible across multiple devices

Integrated Firebase for backend services and data management

## Business Landing Page with Analytics

**Technologies: React.js, Node.js, Express.js, MongoDB, Google Analytics API**

June 2023 - August 2023

Developed full-stack lead-generation landing page with contact form functionality. Integrated Google Analytics API for real-time performance tracking.

Implemented backend API using Node.js and Express.js for data processing. Created responsive design optimized for conversion and user engagement

# CERTIFICATIONS

MERN Full Stack Web Development Course - Rinex, Skill India (2024)



 PLC Programming Certificate - VOC College of Engineering (2023)

 Java Programming Beginner Course - Great Learning (2023)

 Google Analytics Fundamentals - Digisailor Software Company (2024)

# ACHIEVEMENTS AND ACTIVITIES

 Participated in RBI Quiz Competition at State Level (July 2024)

 Presented project at Analogy O Monia, Anna University National Symposium (November 2023)  Winner of Science Exhibition Project at School Level (October 2017)

# ADDITIONAL INFORMATION

**Languages:** Tamil (Native), English (Fluent)

**Core Strengths:** Problem Solving, Quick Learning, Team Collaboration, Initiative Taking, Adaptability

**Interests:** Mobile App Development, Machine Learning, IoT, Environmental Technology