

RANJITH P

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Tiruppur

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Career Objective

To obtain a position in Electronics and Communication where I can utilize my skills in IoT, networking, and problem-solving to contribute to innovative projects.

Educational Qualification

Bachelor of Engineering in Electronics and Communication Engineering
Erode Sengunthar Engineering College (Autonomous), Erode
CGPA: 7.6 (up to 5th Semester)

Duration: 2022-2026

Diploma in Electronics and Communication Engineering
Government Polytechnic College, Coimbatore
Percentage: 80%

Duration: 2020-2023

SSLC
V K Government Higher Secondary School
Percentage: 53%

Duration: 2019-2020

Area of Interest

- Internet of Things (IoT)
- Digital Electronics
- Networking
- Embedded Systems

Skills

- **Programming Languages:** Java, C, Verilog (Basic)
- **Electronics:** Circuit Design, PCB Design
- **Tools:** MS Office, Simulink, Multisim
- **Communication Tools:** Cisco Packet Tracer

Projects Done

1. Bus Indication for Blind People (2023)

Role: Embedded System Developer

Tools & Technologies: Raspberry Pi Pico, RFID Module, Speaker, LCD Display, C/C++, Embedded Systems.

Developed a smart assistive technology system to enhance accessibility in public transportation for visually impaired individuals. The system uses RFID based identification and voice announcements to inform blind passengers about incoming buses and notify drivers of boarding blind users.

2. Smart Water Management System (2024)

Role: Developer & System Designer

Tools & Technologies: ESP32, Ultrasonic Sensor, TDS Sensor, DS18B20, MQ-135, DHT11, Blynk App, Google Sheets, C/C++

Designed and implemented an IoT-based smart water monitoring system to measure water level, water quality, and environmental conditions in real-time. The system uses an ESP32 microcontroller integrated with various sensors to provide comprehensive monitoring and alerting features. Data is displayed via the Blynk mobile app and logged to Google Sheets for historical tracking.

Internship

Salzer Electronics Limited Unit II, Coimbatore

- Assisted in production and quality control processes.
- Supported process improvements and ensured products met quality standards.
- Duration: 1 Month (2022)

Strengths

- Photographic Memory Skills
- Problem Solving Skills
- Time Management
- Basic Computer Networking Knowledge

Languages

- Tamil
- English

Workshops & Bootcamp

1. Innovation, Design and Entrepreneurship (IDE) Bootcamp

Participated in IDE Bootcamp Edition 2 - Phase II organized by AICTE & MoE's Innovation Cell, held from 17th to 21st February 2025 at PSNA College of Engineering and Technology, Dindigul.

2. RISE 2025 – IIIT-Bangalore

Attended RISE 2025, the research open house event at IIIT-Bangalore on 22nd February 2025, focusing on innovation, collaboration, and knowledge sharing.

Declaration

I, Ranjith P, hereby declare that all the information provided is true and correct to the best of my knowledge.

Date:

Place:

Ranjith P