

M MANOHAR NAIK

Aspiring Embedded & IoT Developer | B.E Graduate (ECE) | ☎ +91 6360980694 | ✉ naikmanohar152@gmail.com

| 📍 Bangalore, India | 🔗 [GitHub](#) | 🔗 [LinkedIn](#) |

CAREER OBJECTIVE

Aspiring Embedded & IoT Engineer with hands-on experience in ESP32, Arduino, and real-time systems. Seeking opportunities to apply and expand my skills in embedded development, firmware testing, and system integration within a fast-paced, innovation-driven environment.

ACADEMIC QUALIFICATION

- B.E in Electronics and Communication Engineering (2021–2025) - **8.2 CGPA**
- 10th (SSLC) from ST. Anne's High School in (2019) - **75%**
- 12th (Science PCME) from SEA Comp PU College in (2021) - **82%**

PROJECT

- Wireless Mini Robot Car:** Dual ESP32 microcontrollers with MPU6050 for precise motor control and real-time coordination.
- Bluetooth Floor-Cleaning Robot:** Arduino-based autonomous cleaning bot with smartphone control.
- Long-Range Surveillance Quadcopter:** ESP32-CAM with live video streaming and PC-based object detection using YOLOv3.
- Interactive Car Racing Game:** Joystick-controlled OLED display game simulating real-time movement.
- RFID-Based Parking System:** esp32 with automatic gate control and secure access.
- Weather Monitoring System:** esp32-based system displaying temperature, humidity, and rain status on LCD and Blynk app.
- Obstacle Detection System:** ESP32 with IR sensor, buzzer alerts, and live feedback via LCD and Blynk dashboard.

📁 All project repositories and documentation available on 🔗 [GitHub](#)

📁 All project visuals and summaries available on 🔗 [LinkedIn](#)

📁 Portfolio Website: 🔗 [M Manohar Naik – Embedded & IoT Developer](#)

INTERNSHIP EXPERIENCE

Embedded Development Intern

Thinkfinity Labs Pvt Ltd, Bangalore | May–Sep 2025

Worked on STM32 and ESP32-based embedded systems, debugging firmware using JTAG and emulators. Collaborated with R&D teams to prototype solutions and document development workflows.

TECHNICAL SKILL

- Programming:** Embedded C, Verilog HDL
- Tools & IDEs:** Arduino IDE, STM32CubeIDE, Espressif IDE, NI LabVIEW, OpenROAD.
- Hardware Platforms:** ESP32, Arduino, STM32, Raspberry Pi, Motor Drivers, Sensors.
- Other Skills:** Linux CLI, Git & GitHub, Serial Debugging, Simulation & Validation.

CERTIFICATIONS

- VLSI Design Engineer – 🔗 [Link](#)
- IoT & Embedded Systems – 🔗 [Link](#)
- Arduino Development – 🔗 [Link](#)
- NI LabVIEW – 🔗 [Link](#)

LANGUAGES KNOWN

- Hindi, Kannada, English** – Fluent (Speaking, Reading, Writing)
- Tamil** – Conversational (Speaking only)
- Telugu** – Conversational (Speaking only)

DECLARATION

I hereby declared that the above information given by me is true to best of my Knowledge.

Place: Karnataka, Bangalore

(M MANOHAR NAIK)