NAVEEN A

AN ELECTRONICS AND COMMUNICATION ENGINEER

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CAREER OBJECTIVE

- Motivated and quick-learning developer with knowledge in Python, C, Embedded systems, and Basic Front-End Development (HTML, CSS). Passionate about building practical solutions, improving technical skills, and contributing to real-world engineering projects. Strong teamwork and problem-solving abilities with a commitment to continuous growth.

PROJECTS

Traffic Signal Control System using Arduino

📅 July 2025

- Designed a microcontroller-based traffic control system to manage vehicle flow.
Implemented LEDs for signal representation and a timer for sequence control.
- TOOLS - Arduino Uno, LEDs, Arduino IDE

Gas Detection and Alert System

📅 May 2025

- Developed a sensor-based system to detect harmful gas levels and trigger alerts.
Integrated a buzzer and LCD display for real-time monitoring.
- TOOLS - Arduino, MQ-series Gas Sensor, Buzzer, LCD

INTERNSHIPS

- Advanced Embedded Systems @ Emglitz Technologies | [JULY] – [2025] Experienced with sensors, Arduino, and PIC16F877A microcontroller; contributed to team projects in embedded system hardware design and testing.

MINI PROJECT

Garbage Segregation and Bin Level Indicator

📅 Apr 2025

- Developed an automated system to segregate dry and wet waste using sensors.
Integrated an ultrasonic sensor to monitor bin fill levels and trigger an alert when full.
- TOOLS - Arduino Uno, Ultrasonic Sensor, IR Sensor, Servo Motor, LEDs, Buzzer, Arduino IDE

AREA OF INTEREST

PYTHON DEVELOPER   IOT
EMBEDDED SYSTEMS   FRONT END

TECHNICAL SKILLS

Problem Solving   C   Python
Arduino   Sensors   HTML
Basic SQL   CSS

PERSONAL SKILLS

Self Starter   Flexible&Adaptable
Leadership   Communication

LANGUAGES

Tamil (native)

English -Intermediate(improving fluency)

EDUCATION

B.E in Electronics and Communication

CGPA - 8.01%

📅 2022 – 2026   📍 GCE THANJAVUR

HSC (12th)

77.30%

📅 2022   📍 Allwin HSS TNJ

SSLC (10th)

83.2%

📅 2020   📍 Allwin HSS TNJ

CERTIFICATIONS

PYTHON (Simplilearn)

Advanced Embedded Systems (Emglitz Technologies)

Career Edge by TCS