

NAVEEN A

Electronics and Communication Engineer

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SUMMARY

An enthusiastic developer with a background in Electronics and Communication Engineering (B.E.). My academic journey exposed me to embedded systems, programming fundamentals, and real-world problem-solving, which strengthened my interest in both software and hardware development. I have hands-on experience in Python, C, Embedded Systems, and front-end technologies such as HTML and CSS. I enjoy building intuitive interfaces, developing efficient embedded solutions, and continuously expanding my technical skills. Driven by curiosity and creativity, I aim to build projects that are both functional and impactful.

TECHNICAL SKILLS

- Python
- C
- Embedded C
- HTML, CSS
- Basics of Wireless Communication, Communication Theory

SOFT SKILLS

- Self Starter
- Flexible
- Adaptable
- Leadership
- Communication
- Team Collaboration

PROJECTS

PERSONAL PORTFOLIO

Front End Project

DEC 2025 – Present

HTML , CSS

- Built a responsive personal portfolio using HTML, CSS
- To showcases skills, projects, and contact details with a clean, modern UI.
- Deployed the site on Netlify.

Traffic Signal Control System

Embedded System Project

July 2025

Arduino IDE, Embedded C

- Designed a microcontroller - based traffic control system to manage vehicle flow.
- Collaborated efficiently with the team to succeed in deploying timely solutions.
- Used LEDs for signal representation and timer for sequence control.
- TOOLS-Arduino UNO, LED's, Arduino IDE, PCB Board, Timer

Garbage Segregation and Bin Level Indicator

Embedded System Project

Apr 2025

Arduino IDE, Embedded C

- 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 Used: Arduino Uno, Ultrasonic Sensor, IR Sensor, Servo Motor, LEDs, Buzzer, Arduino IDE.

INTERNSHIP

Advanced Embedded Systems <i>EMGLITZ Technologies</i>	July 2025 – Aug 2025 Coimbatore
<ul style="list-style-type: none">• Experienced with sensors, Arduino, and PIC16F877A microcontroller• Contributed to team projects in embedded system hardware design and testing.• Gained experience in hardware-software integration and debugging embedded applications	

AREA OF INTEREST

- Python Developer
- Embedded Systems
- IOT
- Front End Developer

EDUCATION

Government College of Engineering <i>B.E in Electronics and Communication Engineering</i>	Thanjavur 2022 - 2026
CGPA - 8.01	
HSC - ALLWIN Higher Secondary School <i>Percentage - 81</i>	Thanjavur 2022
SSLC - ALLWIN Higher Secondary School <i>Percentage - 83</i>	Thanjavur 2020

CERTIFICATIONS

- Python – Simplilearn
Advanced Embedded Systems – EMGLITZ Technologies
Career Edge – TCS iON