

RAGHAV GOEL

Mobile: +91 9917527719 — raghavgoel2002@gmail.com — github.com/Raga00002 —
linkedin.com/in/raghav-goel-74b077238

EDUCATION

DESD (Post Graduate Diploma)	2025 – 2026
SunBeam Institute of Information Technology, Pune	89.3%
ECE (Under Graduate)	2020 – 2024
Vellore Institute of Technology, Chennai	80.5%
CBSE (Class XII)	2019 – 2020
DPS RK Puram, Delhi	95%
CBSE (Class X)	2017 – 2018
Genesis Global School, Noida	88.6%

INTERNSHIP

CALEEDO GURUGRAM, HARYANA, INDIA
EMBEDDED IoT ENGINEER Dec 2024 — Jun 2025

- I worked as a Hardware Design Engineer involved in schematic design, component selection, and PCB for embedded systems. I contributed to end-to-end product development, coordinating with cross-functional teams to ensure reliable and manufacturable designs.
- I performed functional and validation testing, debugging issues using lab instruments, and documenting results. Additionally, I provided technical support by troubleshooting hardware issues, analyzing field failures, and preparing technical documentation.

BOSCH GLOBAL SOFTWARE TECHNOLOGIES COIMBATORE, TAMILNADU, INDIA
AUTOMATION ENGINEER INTERN Jan 2024 — May 2024

- Developed a system application for the company that automated various tasks and generated data reports, improving efficiency and data accuracy.
- Utilized Tkinter, Python, BeautifulSoup, and Selenium to enhance automation processes, leading to faster data processing and improved task management.

UNO MINDA MANESAR, HARYANA, INDIA
ENGINEERING INTERN May 2023 — June 2023

- Designed PCBs using KiCAD for various electronic devices, enhancing my skills in embedded system design.
- Applied analog electronics and PCB designing skills to support the development of efficient electronic circuits.

ACADEMIC PROJECTS

Infotainment System: Implemented a system to transfer sensor data between two ARM microcontrollers, demonstrating industry-standard project architecture.

Used: SPI and I²C device drivers, STM32F411CEU6, BeagleBone Black, CAN, UART, SPI, MCP2515 and RTOS, Logic Analyzer, Bare-metal coding, DTS file

Unmanned Vehicle: A WiFi controlled car made using ESP32 CAM Module used to detect objects using CNN Model. Can be used as rescue car to locate injured humans.

Used: Motor Controller, Arduino, ESP32 Cam, Servo motor, DC motor, Python, Tensorflow

Doctor Recommendation System: Used various sensors to monitor the patient health in real time and giving advisory.

Used: ESP32, Heart rate sensor, Temperature Sensor, OLED Screen, Machine Learning

POSITION OF RESPONSIBILITY

Electrical Head - Zuura Formula Racing

Managing the electrical wire harness and data acquisition aspects of the car's design and performance.

Student Coordinator for Hackathon, Makeathon events in TechnoVIT

Managing and conducting of technical workshops to increase the knowledge among students.

PUBLICATIONS

A Deep Learning approach for fire object detection in autonomous vehicles

- Published in 4th National Conference on Communication Systems (NCOCS 2022)

SKILLS

TECHNICAL: Embedded Systems, IoT, Linux, Device Drivers, RTOS, Operating System, Microcontrollers(ESP32,STM32)

SOFTSKILLS: Problem Solving, Effective Communication, Adaptability, Teamwork, Time Management

CODING: Embedded C, C++, Python

PCB DESIGNING: KiCAD, Proteus

DEBUGGING TOOLS: Logic Analyzer, Oscilloscope, STM32CUBEIDE, ST-LINK