

RAGHAV GOEL

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Aspiring Embedded Systems Engineer with experience in designing and developing electronic devices using microcontrollers and software. Demonstrated skills in circuit design and programming, with a focus on improving performance and efficiency. Developed system applications and PCB designs during internships, showcasing ability to create innovative solutions for consumer electronics. Eager to leverage knowledge of IoT technologies to build connected systems that enhance user experience.

EXPERIENCE

JAN 2024-
MAY 2024

MOBILITY AUTOMATION ENGINEER INTERN, BGSW

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

MAY 2023-
JUN 2023

PCB DESIGN INTERN, UNO MINDA

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

EDUCATION

ECE (Under Graduate)	2020-2024	Vellore Institute of Technology, Chennai	81.5%
CBSE (Class XII)	2019-2020	DPS RK Puram, Delhi	95%
CBSE (Class X)	2017-2018	Genesis Global School, Noida	88.6%

SKILLS

- PCB Software: KiCAD, Proteus
- Coding Languages: MATLAB, C++, Embedded C, R, Python
- Micro-controllers: ESP, Arduino, STM32
- Technical Knowledge: Embedded System Design, IOT, Semiconductors, Image Processing
- Soft Skills: Problem Solving, Effective Communication, Adaptability, Teamwork, Time Management
- Frontend Development: Flutter, React JS
- Database: SQL

PROJECTS

- Self-Driving Car Analysis:** Real time object detection, identification and lane segmentation using camera. Used: ESP32 Cam, Machine Learning, YOLOv5
- Health Monitoring 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
- Awaaz:** Communication with deaf people which converts speech to sign language images and shows them on the screen. Used: Speech Recognition, Python, CV, Image processing