

ASHVIN S

+917904503833 | ashvin2kk5@gmail.com | www.linkedin.com/in/ashvin-selvarajan-134b12286

WORK EXPERIENCE

SUMMER INTERNSHIP - SERTEL ELECTRONICS PVT LTD

10 JUN 2025 - 5 JUL 2025

- Worked on developing a proof of concept in making GPRS modem for industrial monitoring and remote sensing using Raspberry Pi integrating with RS485 driver, and GSM module for communication.
- Gained hands-on experience in PCB design in KICAD design software, visual inspection of PCB board.

INTERN CUM PROJECT-MEL SYSTEMS & SERVICES LTD

02 JUL 2024 - 29 JUL 2024

- Worked on sixdime (**Pik2Lite**) development project on data transfer between ESP32 and Raspberry Pi via UART communication with AES encryption method.
- Gained hands-on experience working with the ESP32 using the Espressif IDF framework.

ELECTRICAL LEAD IN SAE COLLEGIATE CLUB AT CEG MOTORSPORTS

2025-2026

- Managing the electrical division of our E BAJA team, including custom PCB design, development of low- and high-voltage circuits, and vehicle data acquisition.
- Implementation of Lora communication between vehicle to crew pit to know about the vehicle's information to crew members.

SENIOR ELECTRICAL MEMBER IN SAE COLLEGIATE CLUB AT CEG MOTORSPORTS

2024-2025

- Designed and developed a electric-powered All Terrain Vehicle(ATV) for **E BAJA 2025**- My work includes in implementing of CAN bus communication between the microcontrollers and perform data acquisition.

EDUCATION

Anna University, College of engineering, Guindy, Chennai - 600025.

2022-2026

B.E in Electrical and Electronics Engineering CGPA: 7.67(till sem5).

St. James Matric Hr Sec School, Trichy-620001.

2021-2022

HSC - XIIth (94.167%).

St. James Matric Hr Sec School, Trichy-620001.

2019-2020

SSLC - Xth (81%).

CO-CURRICULAR ACTIVITIES AND EXPERIENCE

MEMBER IN ANNA UNIVERSITY FOOTBALL TEAM(AUFT)

2022-2026

Active member of AUFT team, focusing on training sessions, match preparation and on-field strategies while strengthening teamwork and communication.

MEMBER IN GUINDY TIMES (CEG)

2023-2024

A place where I can apply my creative skills and video editing expertise to produce engaging and visually compelling content while continuously exploring innovative ideas and refining my artistic vision.

SKILLS

- programming language: C, C ++, Python.
- Simulation software: MATLAB, Simcenter magnet.
- Embedded development: Arduino IDE, Embedded C, Baremetal programming in stm32
- PCB DESIGN: ALTIUM designer, autodesk fusion.
- Video editing: Filmora

LANGUAGES

- TAMIL
- ENGLISH

WORKSHOPS AND CERTIFICATES

- Arduino basics - August 2020.
- EV Motor control workshop by Dept of EEE at CEG.
- robotic arm workshop by robotic club at CEG.