

Ashwin Sankar

Searching for 6-month End of Study internship from February 2025

📍 Villejuif, France ✉ ashwin01671@gmail.com 📞 +33 780860772 🌐 www.linkedin.com/in/ashwinsankar160701

About me

Master's student in Embedded Systems with a solid technical foundation and a passion for innovative solutions. Knowledge in **C programming for micro controllers**, **Bluetooth** integration, **PCB** design (Altium), circuit design using **MATLAB Simulink** and **Linux** Systems. Fluent in **English(Toefc:930)** and pre-intermediate in **French(A2.2)**.

Experience

Electronic Test Intern

Sri Vaari Engineering

Coimbatore, India

July 2022 – June 2023

- Conducted testing and performance evaluation of proximity sensors and small-scale transformers.
- Performed precision soldering on PCB boards and executed winding of small-scale transformers.
- Assisted in the assembly and integration of electronic components for seamless functionality.
- Carried out final testing and quality assurance to meet operational standards.

Internship

Sovereign Electro Electronics

Coimbatore, India

May 2021 – July 2021

- Conducted in-depth research on various sensors and their applications in the textile industry, contributing to improved product knowledge and industry insights.
- Collaborated with a team to prepare quotations and finalize orders, ensuring accuracy and meeting customer requirements to drive successful sales transactions.

Projects

Real time - Air quality monitoring system

Jan 2024

- Major Tools used : : Tiva Microcontroller, Sensors , BLE module , I2C, Audio Signal processing

Implementation of Multi-Core Neural Networks on Low-Power IoT Development Boards

Dec 2023

- Major Tools used :Linux, GAP8(Low power development board)

Remote monitoring and control of IEEE 5 bus system

Mar 2023

- Major Tools used:Raspberry Pi , ESP8266 , ThingSpeak Cloud Platform ,IEEE 5 Bus
- Publication:IEEE(<https://ieeexplore.ieee.org/document/10434569> 📄)

Solar Charger using Interleaved Boost converter

Sept 2022

- Major Tools used: Matlab-Simulink , PV module

Cloud based flood detection system

Mar 2022

- Major Tools used: ESP32(Wifi) , Ultrasonic sensor , ThingSpeak cloud platform

Education

ISEP - INSTITUT SUPÉRIEUR D'ÉLECTRONIQUE DE PARIS

Sept 2023 – Present

Master's -Embedded Systems

AMRITA VISHWA VIDHYAPEETHAM

Aug 2019 – June 2023

Bachelor of Technology-Electrical and Electronics Engineering

- GPA: 3.18/4.0

Skills

Programming: • C • C++ • Python • Linux • R • Matlab

Technologies: • MatLAB • Simulink • LTSpice • Altium • Arduino • FPGA • Fuzzy Logic Designer • Psim • LABView • C programming for Micro controllers • Signal Processing • Cryptography