VIGNESH.N

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Education

Degree	Institute/Board	CGPA/Percentage	Year
B.E- Electronics and Communication Engineering (ECE)	SNS College of Engineering, Coimbatore.	CGPA/Percentage 7.30 (Current)	2022-2026
Higher Secondary School (HSC)	Government Higher Secondary School, Malliyakarai.	63.8%	2020 -2022
Secondary School Leaving Certificate (SSLC)	Government Higher Secondary School, Malliyakarai.	54.6%	2016-2020

Internship Experience

Indian Space Research Organisation (ISRO) Space Applications Centre (SAC)   (Offline, July 2025 – sept 2025)

- Conducted research on satellite communication systems at ISRO's SCS campus.
- Simulated LDO circuits and analyzed signal communication for satellite applications.

Max Automation Role: PCB Fabrication Intern   (Offline, July 2024 – 3 Weeks)

- Designed single-layer PCBs using milling machines
- Integrated ICs and electronic components

Projects

Accident Prevention System   *(offline)* Nov-2022

- Developed a safety system integrating protocols, warning devices, and emergency response to minimize accident risks.
- Enhanced proactive safety and minimized hazards in real-time scenarios.

Accident Detection System   *(offline)* Apr-2023

- Created a system that automatically alerts police stations, hospitals, and nearby vehicles in case of an accident.
- Improved road safety and reduced emergency response times.

Automatic Door Lock System   *(offline)* Nov-2023

- Developed an IoT-based automatic door lock system using Arduino, RFID for secure access control.
- Enabled remote door lock/unlock functionality via smartphone app, improving user convenience and security.

Mobile Network Signal Booster   *(offline)* Dec-2024

- Designed a low-cost network signal booster using affordable modules.
- Enhanced signal strength and transmission quality without the complexity of traditional solutions.

SOP Test Examination Website   *(offline)* Aug-2025

- Developed a secure, cheat-proof testing website for college.
- Integrated AI-driven questioning and distinct user login portals.

Design And Analysis of Power Circuit using TI PSPICE (ISRO)   *(offline)* Sept-2025

- Designed LDO for satellites and Validated with TI PSpice.

Skills

- **Programming**: C, Java,Full Stack Development
- **Tools**: TI PSpice, Eagle, EasyEDA, KiCad, VS Code, Canva, MS Office, AWS, MongoDB, Git
- **PCB Design**: Proficient in single-layer PCBs using milling machines
- **OS**: Windows
- **Languages**: English (Fluent), Tamil (Native)
- **Soft Skills**: Teamwork, Adaptability, Time Management

Certifications

- **AWS:** AWS Certified Developer & AWS Certified Cloud Practitioner (September 2025)
- **Kubernetes And Cloud Native:** Kubernetes and Cloud Native Associate (September 2025)
- **Microsoft:** Azure AI Fundamentals & Azure Fundamentals (June & July 2025)
- **Databricks:** Accredited Generative AI Fundamentals (May 2025)
- **SecOps**: Network Security Practitioner & AppSec Practitioner (Jan & Mar 2025)
- **Salesforce** AI Associate Salesforce & AISpecialist Salesforce & Agentforce Specialist Salesforce (Nov 2024 & Aug 2025)
- **Enterprise Design Thinking Practitioner**: IBM (2024)
- **Python Nano Degree**: PrepInsta Prime (2022)
- **snowflake:** snowpro Associate Platform Certified (Aug 2025)
- **RIPE NCC Certified Professionals:** RIPE Database Associate (Aug 2025)

Leadership & Activities

- Naukri Campus Ambassador and HiDevs Campus Ambassador and Ashna Ai Campus Ambassador and EASYEDA Campus Ambassador
- My Government Campus Ambassador.
- Junior Red Cross (JRC) Leader – Promoted health and service in school
- Active Blood Donor – Participated in donation events