BALAMURUGAN J

ENGINEERING UNDERGRADUATE

OBJECTIVE

Motivated Electronics and Communication Engineering graduate seeking an entry-level position in a core engineering company. Eager to apply academic knowledge in electronics and communication systems to real-world challenges. Committed to continuous learning and contributing to innovative projects. Aiming to support organizational goals through technical proficiency and dedication.

CONTACT

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AREA OF INTREST

- Circuit debugging, IOT Devices
- VLSI Design
- Communication Systems and Wireless Systems

SKILLS

- Languages: **C\C++, Python, Assembly**
- Ethical Hacking
- Google Cloud

EXTRACURRICURAL ACTIVITES

- Team player in **volleyball** and participated in various competitions, demonstrating my ability to collaborate effectively with others

EDUCATION

Ramco institute Of Technology

Bachelor of Electronics and Communication Engineering . 2022-2026
CGPA: **7.2**

CEOA Matriculation Higher Secondary School

Higher Secondary Education . 2018-2022
Percentage :**73.67**(Higher studies)
Percentage :**95**%(SSLC)

LANGUAGES

- English
- Tamil [Native}

WORKSHOP

Cyber Security

- Successfully completed a hackathon focused on **cybersecurity challenges**, Earn Certificate of participation.

Google Cloud Computing

- Gained hands-on experience in **google cloud computing** fountation

Neural Network -CNN

- I have done a **Neural Network Learning algorithm** Workshop in Sri RamaKrishna Institute of Technology

Battery Management System

- I have learned some **Battery managing system** and gained knowledge from real hardware of Battery managing component from National Engineering College

USRP Lab View

- Here we have learned some wireless communication device of **Software designed Radio using USRP** and using Wireless communication methods from National Engineering College

PROJECT

CNG Gas Detection

- This device is designed to develop a quality assurance system for detecting CNG in the air. It includes sound and light alarms to alert users immediately if a leak is detected.
- A GSM module facilitates communication to the user interface, while an MQ-4 sensor aids in detecting gas leakage in the air.
- As part of the project, I was involved in assisting with the overall maintenance of the system and served as an analyst to evaluate the performance metrics to ensure the device met the highest standards in the world of safety technology.