BALASUBRAMANIYAN

+91 8072818585 ⋄ balalatha660@gmail.com ⋄ www.linkedin.com/in/bala-ece

OBJECTIVE

Electronics and Communication Engineering graduate seeking an entry-level opportunity in drafting, testing, and commissioning within the Instrumentation and Control department. I aim to apply my skills creatively, enhance my personal and professional growth, and contribute to the success of the organization.

EDUCATION

B.E in Electronics and Communication Engineering   2021 - 2025
MOOKAMBIGAI COLLEGE OF ENGINEERING, Keeranur. CGPA : 6.70/10

GOVT HR SEC SCHOOL, State Board, Class XII   2020 - 2021
G.H.S.S.THANTHANI, Percentage : 77.5%

GOVT HR SEC SCHOOL, State Board, Class X   2018 - 2019
G.H.S.S.THANTHANI, Percentage : 67.8%

TECHNICAL SKILLS

- Embedded and IoT, C Programming, Sensors and Modules, Hardware Design.

- Auto CAD (2018): Basic knowledge in Auto CAD on preparation instrumentation drawings like Instrument Loop drawings , Instrument Hook up drawings , etc..

- MS Office: Basic knowledge in Excel

AREAS OF INTEREST

- Instrumentation and Control System Design and drafting.

- Installation and Commissioning of Field Instruments , Analytical Systems and Control Systems.

- System Integration , FAT and SAT.

PROJECTS AND EXPERIENCES

Securing the PDS Supply Chain with Real-Time Tracking and FIFO Management Using IoT
March - May 2025 - Final Year Project

This project secures the PDS supply chain by using IoT-enabled real-time tracking and monitoring. It ensures FIFO stock management and prevents theft during transportation and distribution.

Railway Wagon Underload/Overload Monitoring System   2023-2024

IoT-based project using ESP32; load cell mounted beneath railway wagon to detect underload/overload conditions; system triggers alarm for excess load and updates data on Blynk software.

Smart Gas Leakage Prevention System   2023-2024

IoT-based project using MQ-2 gas sensor continuously monitors for gas leakage if leakage detected, system automatically cuts off power supply via relay for safety.

Software Developer Intern – Looperex Technologies Pvt. Ltd   July - Aug

During my one-month internship at Looperex as a Software Developer Intern, I worked on creating modern websites and applications. I helped design user-friendly pages, connected them with online services, and used tools to make the applications fast and reliable. I also worked on login systems and gained experience working in a team on real projects.
GitHub Url: https://github.com/BALASUBRAMANIYAN-S
Personal Website: https://bala-profile.web.app/