BALASUBRAMANIYAN S

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SUMMARY

I am currently pursuing my final year in Electronics and Communication Engineering with hands-on experience in embedded systems and IoT projects. I have worked with ESP32, Arduino Uno, and Raspberry Pi. I also have basic knowledge of the MERN stack and familiarity with networking and circuit design.

EDUCATION

ANNA UNIVERSITY

B.E in Electronics and
Communication Engineering - 2025
CGPA: 6.5+

GHSC SCHOOL

HSC - 2021
PERCENTAGE: 77.5%

SCHOOL NAME

SSLC - 2019
PERCENTAGE: 67.8%

SKILLS

LANGUAGES

Advanced:Javascript, HTML5, CSS, C
Intermediate:SQL

FRAMEWORKS

Node.js, React.js

TOOLS AND TECHNOLOGIES

Ardiuno, VS Code, Excel, Git and GitHub

CERTIFICATIONS

C AND C++ PROGRAMMING1
Platform: Internshala

FULL STACK WEB DEVELOPMENT
Provider:EMC

FREELANCE PROJECTS FOR STUDENTS | DEVELOPER

2023 – Present

Built simple IoT-based projects for school students.

Guided basic electronics and mini project demos.

Tech: **Arduino, ESP32, Sensors**

EXPERIENCE

INTERNSHALA | INTERN

Nov 2024 – Jan 2025

- Efficient low-level language, ideal for system-level and embedded programming
- C++: Object-oriented extension of C, enabling reusable and structured code.
  devices.
- Tech Stack: **C and C++**

PROJECTS

MINI ECOMMERCE WEBSITE | WEB DEVELOPMENT PROJECT

Oct 2023 – Dec 2023

- Developed a responsive mini eCommerce site for local vendors.
- Implemented product catalog, cart functionality, and checkout flow.
- Used client-side rendering and Firebase for deployment and database.
- Tech Stack: **HTML, CSS, JavaScript, React.js, Firebase**

SMART IRRIGATION SYSTEM | IOT PROJECT

Jun 2022 – Sep 2022

- Automated irrigation using real-time soil moisture data.
- Reduced water consumption by optimizing irrigation schedules.
- Monitored and controlled remotely through mobile dashboard.
- Tech Stack: **Arduino, Soil Sensor, Relay, IoT App**

ACHIEVEMENTS

COLLEGE PROJECTS

- 1st Place Projects EXPO**95.4%.**

PROJECTS

- Railway Underload Overload Prventing using IoT
- Smart Gas Leakage Detection System using IoT -Based Fire Detection System using OpenCV

TECH PROFILE LINKS

- Portfolio:**Link**
- GitHub:**BALASUBRAMANIYAN-S**