

# ANIRUDH HS

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## SUMMARY

Electronics and Communication Engineering undergraduate with a strong foundation in software development, embedded systems. Proficient in Python and C, with hands-on experience in developing intelligent hardware-integrated systems. Passionate about building real-world AI-powered solutions in the field of consumer robotics.

## EDUCATION

<b>Bachelor of Technology in Electronics and Communication Engineering</b> Dayanand Sagar Academy of Technology and Management, Bengaluru, India. CGPA: 7.85 Relevant Coursework: Image processing in MATLAB, PCB design using Design Spark	Sep 2023-
<b>Senior Secondary Education</b> Masters PU College, Hassan, India Percentage: 93.8%	Aug 2021 – Mar 2023

## TECHNICAL SKILLS

<b>Languages</b>	Python, C, HTML, CSS, JavaScript, Arduino.
<b>Tools</b>	VS Code, Git, Node-Red, Model Sim, MATLAB.

## PROJECTS

### Real-Time Cloud-Based Energy Monitoring System

Developed an IoT-based smart energy monitoring system that collects real-time electrical data and publishes it to the cloud via MQTT for remote monitoring. Implemented dynamic slab-based billing and an interactive dashboard for visualizing consumption trends, alerts, and cost summaries.

### Smart Post-Accident Detection and Response System

Developed an IoT-based Smart Post Accident Detection and Response System using sensors, GPS, and GSM modules to automatically detect vehicle collisions, pinpoint location, and send real-time emergency alerts to contacts and authorities, enabling faster rescue response.

### Docnest

Developed DocNest, a full-stack healthcare management web application enabling appointment booking, patient registration, and login workflows, using HTML, CSS, and JavaScript. Implemented responsive UI and user authentication modules to streamline doctor-patient interactions.

## ACHIEVEMENTS

State-Level Project Expo - Jnana Cauvery 2K25 – 1 <sup>st</sup> Prize	May 2025
INNOVONX Hackathon, DSATM – 3 <sup>rd</sup> Prize	April 2025
State-Level Project Expo - Vyuhanthra 2K25 – 2 <sup>nd</sup> Prize	October 2025
Best Project Award – BMS Project Expo 2025	November 2025
Presented our Research Paper in EPREC Conference conducted by IIT Bhilai and NIT Jamshedpur	