

AMRUT HANAMAPURE

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SUMMARY

Electronics and Communication Engineering student with hands-on experience in PCB design, embedded systems, and circuit development. Skilled in schematic design, PCB layout, and hardware debugging. Experienced in Arduino-based systems with sensor integration and real-time monitoring. Seeking an entry-level role in PCB design or embedded hardware engineering.

SKILLS

- PCB Designing and Fabrication
- Circuit Design
- Embedded System
- VLSI Design Basic
- Verilog
- Python

EXPERIENCE

Robotics Vocational Skill Training – GTTC. *Jan 2023 – Feb 2023*

I completed a robotics training at GTTC where I learned the basics of electronics and worked with a robotic arm. I also gained a basic understanding of circuits, components, and simple testing.

PROJECTS

AgriGuard – Smart IoT Farming & Security System

Developed Arduino-based system for automated irrigation and field security using soil moisture, PIR, and temperature sensors with ESP8266 IoT monitoring.

All-in-One Electronic Component Tester

Built Arduino-based tester to identify and measure resistors, capacitors, diodes, and transistors using ADC-based analysis with OLED display output.

Portable Oscilloscope using Arduino & OLED

Designed low-cost oscilloscope for real-time waveform visualization using ADC sampling and OLED display with adjustable scaling.

Battery Management System (BMS) for Li-ion Battery Pack

Designed and developed a 5S Lithium-ion Battery Management System using STM32F103C8T6 to monitor cell voltages, current, and temperature in real time.

EDUCATION

City Engineering College, Bengaluru

Bachelor of Engineering (ECE) | 2023 – Present
CGPA: 7.28

Government Polytechnic, Athani, Belagavi

Diploma in Electronics and Communication Engineering | 2020 – 2023
CGPA: 8.3

Government High School, Devaradderahatti, Athani

SSLC | 2019 – 2020
Percentage: 58.72%

CERTIFICATIONS

- IoT & Its Applications – Zeel Code Labs
- Robotics Technician Training – GTTC
- Embedded Systems Workshop – ARM Cortex

LANGUAGES

Kannada, English, Hindi, Marathi

PORTFOLIOS

1. **GitHub:** <https://amruth-07.github.io/>

2. **LinkedIn:** <https://www.linkedin.com/in/amrut-hanamapure>