

# Manasa J N

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## ACADEMIC QUALIFICATION

Bachelor of Engineering in Electronics and Communication,  
SJC Institute of Technology (SJCIT),  
Chikaballapur, Karnataka;  
CGPA (till semester 6th): 9.07;  
expected graduation: Jun'26

## ACADEMIC PROJECTS TITLE

### **Title: Battery Management and Electricity Lending System [Major Project]**

The Battery Management and Electricity Lending System (BMELS) monitors battery health using ESP32, sensors, and IoT dashboards. It ensures safety with an automated cooling fan that prevents overheating. Users can scan a QR code to pay and access charging via a USB port. This project enables secure, scalable, and monetized energy sharing for smart cities

### **Title: Arduino uno powered light tracking robo [Mini Project]**

An Arduino Uno powered live tracking robot uses GPS and sensors to monitor and transmit its real-time location. It can be controlled or tracked remotely, often integrating IoT modules for live updates. This robot is useful for surveillance, navigation, and research applications.

## SKILLS

Programming: C, Python, Verilog, Embedded C

IoT & Hardware: Arduino, Raspberry Pi, Digital Hardware Design (Verilog)

Core Strengths: Leadership, Teamwork, Decision-Making

## Languages known

English, Kannada, Hindi

## CERTIFICATIONS

- C PROGRAMMING FROM THE SCRACH (UDEMY)
- Python essential 1 Certificate (CISCO)
- Electronic system design: Hands-on Circuits and PCB Design with CAD software (NPTEL)
- Joy of computing using python (NPTEL)
- Raspberry Pi: 3-Day Hands-On Training Workshop – 2025

## **EXTRACURRICULAR ACTIVITIES & ACHIEVEMENTS**

- Organized 24-Hour Hackathon & VTU Fest (2024)
- Active participant in coding contests & workshops

Led student teams and events, demonstrating strong leadership & collaboration

## **PERSONAL DETAILS AND DECLARATION**

**Date of Birth:** 26/12/2004

**Address:** Jalamangala, Ramanagara, Karnataka 562159

I hereby declare that the data furnished above by me are true to the best of my knowledge.