SANDEEP UDBAL

+91 7892531157◇ Banglore,India

sandeepudbal@gmail.com ◇ Linkedin ◇ Github

OBJECTIVE

An Electronics and Communication Engineering student with strong technical knowledge and problem-solving skills. Excited to work on meaningful projects and contribute to a growing organization.

EDUCATION

AMC Engineering College Bangalore Karnataka **Expected 2025**
B E in Electronics and Communication Engineering
CGPA: 8.53

Shaheen IND PU College Humnabad Karnataka **2020**
Stream: PCMB
Grade: 73.5

BTVP School Hudgi **2018**
Grade: 86.72

SKILLS

Technical Skills	Python,C,Java
Tools/Technologies	OOPS,OpenCV,Arduino UNO,ESP32,VS Code,Raspberry Pi,Git,Github
Soft Skills	Problem Solving Leadership,Teamwork,Time Management,Effective Communication

EXPERIENCE

Embedded system and IOT intern OCT 2023 - NOV 2023
Take it Smart PVT LTD *Bangalore Karnataka*

- Done project based internship in Take It Smart startup done automatic light control system using Arduino and esp8266 microcontroller.

PROJECTS

Smart Luggage Using ESP32 Camera: Designed a smart luggage system that tracks the user using ArUco markers, measures the luggage weight with a load cell, and avoids obstacles using ultrasonic sensors, making travel more convenient and efficient.

Smart Shopping Trolley Bot: Created a smart shopping trolley using ESP32 and Arduino Uno that scans products with RFID, opens automatically, displays product details and total price, and includes a buzzer for alerts and a button to remove the last scanned item.

ROLES AND RESPONSIBILITIES

- **Volunteer, AMC Engineering College's OpenCV Workshop — July 2024:** Organized a technical seminar for 50+ participants and provided hands-on OpenCV training.

- **Volunteer, ML10xImage Classification Competition:** Managed participant inquiries and offered technical support during the event.

- **TeamMemeber,eYRC2024–25:** Contributed to 2D mapping and drone navigation tasks using ROS 2, Python, and ArUco markers.