

# SANYUKTA DAS

B.E STUDENT  
ARTIFICIAL INTELLIGENCE AND DATA SCIENCE  
SAMBHRAM INSTITUE OF TECHNOLOGY , BANGALORE

☎ 9741546583  
✉ sanyukta2803@gmail.com  
🐙 <https://github.com/Sanyukta1304>  
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## OBJECTIVE

Dedicated and passionate engineering fresher with strong analytical skills, eager to work in a dynamic environment where I can learn, grow, and contribute to innovative projects.

## EDUCATION

B.E -ARTIFICIAL INTELLIGENCE AND DATA SCIENCE Sambhram institute of technology CGPA-8.0/10	2022 - 2026
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## PROJECTS

### 1) ELECTRICITY THEFT DETECTION SYSTEM (FINAL YEAR PROJECT) | LINK

[Final Year Project | Embedded Systems | ESP32, ACS712, ZMPT101B, Arduino IDE]

July- present 2025

Developed a smart monitoring system to detect unauthorized electricity usage using real-time voltage and current sensors. Interfaced ESP32 with ACS712 and ZMPT101B to monitor power consumption, identify theft through anomaly detection, and trigger alerts or cut-off via relay.

### 2) FACE RECOGNITION-BASED ATTENDANCE SYSTEM

[Mini Project | Python, OpenCV, Firebase]

Jan-May 2024

Built a smart attendance system using face recognition technology. Captured and trained facial data of students using Haar Cascade, enabling automatic detection and attendance marking in real-time. Stored records in SQLite, reducing manual errors and increasing classroom efficiency.

### 3) COMMUNICATION SYSTEM FOR DUMB AND DEAF VIA HAND GESTURES

[Hackathon Project | Computer Vision, Python, OpenCV, CNN]

July 2024

Developed a real-time hand gesture recognition system to assist speech- and hearing-impaired individuals in communication. Captured hand gestures using a webcam and classified them into alphabetic signs using image processing techniques. Displayed corresponding text output on screen for easy understanding.

### 4) JOB ENROLLMENT ASSISTANCE WEBSITE

[Hackathon Project | Web Development, HTML, CSS, JavaScript]

July 2024

Designed a job matching platform to assist job seekers in finding suitable employment based on skills and qualifications. Implemented features like user registration, resume upload, job listings, and skill-based job recommendations. Developed during a hackathon as a beginner-friendly full-stack web project, gaining hands-on experience with frontend and backend integration.

## SKILLS

**Programming Languages:** Python, C, C++, Java, HTML, CSS, JavaScript, PHP, SQL

**Development Tools:** PyCharm, Firebase

**Frameworks & Technologies:** OpenCV, Machine Learning

**Databases:** Firebase, SQL

**Cloud Computing:** Microsoft Azure (Certified in Azure Data Fundamentals)

## CERTIFICATIONS & ACHIEVEMENTS

Microsoft Certified: Azure Data Fundamentals | [LINK](#)

National-Level 24-Hour Hackathon Participant (BIT College) | [LINK](#)

Participated in 8-hour hack-a-idea hackathon(Atria college) | [LINK](#)

