

TEJA SOMANATH SAHU

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EDUCATION

KL UNIVERSITY

COMPUTER SCIENCE ENGINEERING MASTERS

CGPA: 9.81

Aug 2023 - May 2025

Vijayawada

DVR & DR.HS MIC COLLEGE OF TECHNOLOGY

ELECTRONIC COMMUNICATION ENGINEERING BACHELORS

CGPA: 8.21

July 2019 - May 2023

Kanchikacherla

SKILLS

PROGRAMMING LANGUAGES

C, Python, Java, VLSI, Data Structures Basics

TOOLS / PLATFORMS

GIT, Eclipse, Jupiter

DATABASES

MySQL, Postgre SQL

PROJECTS / OPEN-SOURCE

SMART CAP : AN IOT BASED SMART ASSISTANT FOR VISUALLY IMPAIRED PEOPLE IOT ,Machine Learning

The Smart Cap acts as a conversational agent for visually impaired persons with the help of IoT and provides features like face recognition, image captioning, text detection and recognition.

The user can interact the Smart Cap by giving specific commands, which triggers corresponding feature module that returns as an audio output.

The smart cap is an assistive device that takes audio commands and images as an input and outputs results in the audio format.

AUTOMATIC WRITING MACHINE -

Aurdino UNO

It was a small prototype of project. It helps in writing long notes

We use Stepper motor, Servo motor and Arduino to write anything

It uses x ,y and z axis for writing line by line.

WIRELESS BATTERY CHARGER

Mutual Induction

It is portable device.easier than plug into cable

Phone can be charged anywhere and anytime

It doesnt require wire for charging

CERTIFICATIONS

- Game development using Build Box - APSSDC.
- Internship certificate in VLSI worked on UART - Apsis Solutions.
- Python Certification - Skill India.

HONORS & AWARDS

- Won gold medal in Kabaddi
- Won silver medal in Karate