

## SUMMARY

Dedicated Electronics and Computer Science Engineering student with proficiency in Software Development and Data Science. Possesses leadership experience gained as a former member of the Directorate of Student Affairs (DSA) at SRMIST. Committed to excellence, adaptable, and eager to contribute innovative ideas to drive team success. With a strong work ethic, I have constantly demonstrated my ability to thrive in challenging environments. Seeking an entry-level position to launch a career as a Software Engineer or Developer, with a passion to contribute to innovative projects and further enhance my technical skills.

## PROJECTS

- DEGREE MAJOR PROJECT
  - Intelligent Multi-Camera Surveillance System with Comprehensive Object Tracking using YOLOv8 module in PYTHON
    - We'll be using OpenCV library for displaying frames and Ultralytics package - YOLOv8 module in Python for object detection, segmentation, and tracking.
    - Using threading module to facilitate multi-streaming.
- DEGREE MINOR PROJECT
  - Design and Implementation of a Multi-Purpose Autonomous Robot
    - Used Arduino UNO, advanced sensors, Bluetooth module for mobile connectivity and C++ programming language for giving instructions.
    - Key Features: Obstacle Avoidance, Auto Path Following, Human Hand Following and can be operated with Mobile Bluetooth Device/ wirelessly.
    - Uses: Can be used in various applications at Home, Restaurants, Hospitals, etc.
- Spelling corrector Application GUI using Tkinter in Python
  - Used Python TextBlob module to do this check and Tkinter libraries to develop this project. The GUI for gathering the user's input and displaying the output depending on the entered spelling is built using the Tkinter module.

## SKILLS

- LANGUAGES – Python, C, C++ , Java (Basics)
- WEB DEVELOPMENT – HTML5, CSS3, JavaScript, Node Js (Basics)
- Database – SQL, DBMS
- MS OFFICE – PowerPoint, Excel, Word

## TRAININGS & CERTIFICATION

- IBM Web Development Certificate
    - IBM & Coursera
  - Web Development Workshop -CURRENTS
    - NIT – Trichy, Tiruchirappalli
- (Feb. 2023)

- HackerRank Certificates
  - PYTHON
  - DSA\_Problem Solving

## EDUCATION

- B.Tech  
SRM Institute of Science and Technology – Main Campus, KTR (2020 – 2024)  
CGPA-7.83 (till 7<sup>th</sup> semester. No Backlogs / Arrears)
  - Former member of Directorate of Student Affairs (DSA)
  - Vice-Captain of Cricket Team, ECE Department (ATHLOS - 2023)
- CLASS XII in SCIENCE ( CBSE )  
Sri Chaitanya Vidya Niketan – Visakhapatnam, Andhra Pradesh (2017-2019)  
Score-53.80 %
- CLASS X ( CBSE )  
Primus Public School – Muzaffarpur, Bihar (2016-2017)  
CGPA- 10
  - School Captain
  - Joint Assembly Head

## OTHER ACHIEVEMENTS

- Qualified ALL INDIA SAINIK SCHOOLS ENTRANCE EXAM (AISSEE) - Kapurthala, Punjab (2013)
  - In class VI
- GOLD MEDALIST | 8th SOF-International Mathematical Olympiad (IMO) (2015)
  - For securing 1st rank at School level in class VIII

## EXTRACURRICULAR ACTIVITIES

- RUNNER-UP, FINALIST of ATHLOS – SRMIST (2023)
  - College Cricket Tournament Organised by ECE - Department.

## LANGUAGES

- English
- Hindi

Portfolio website: <https://sanu1654.github.io/Portfolio/>