SAI KRISHNA MITTAPELLI

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Education

SR University, Bachelor of Technology in Electronics and Communications   Nov 2022 – Apr 2026
- GPA: 6.25/10.0
- **Coursework:** Machine Learning, Data Structures, , Object Oriented Programming, Operating System, C, Python, Java

Experience

AICTE Internship   April 2024 – June 2024
- Completed a certified internship focused on foundational and applied concepts in AI and Machine Learning, including supervised and unsupervised learning, deep learning, and neural networks.
- Gained hands-on experience with machine learning models using Python and libraries like NumPy, Pandas, Scikit-learn, and TensorFlow.
- Developed small-scale AI/ML projects such as image classification, data prediction, and natural language processing applications.

Technical Skills

Languages: C, Python, Java.

Tools & Frameworks: Visual Studio

Domain Knowledge: Machine Learning

Projects

Line Following Robot | IOT   April-2024
- Designed and implemented an autonomous **line-following robot** using IR sensors to detect and follow a predefined path.
- Used **Arduino IDE** to program the microcontroller for sensor-based decision-making and motor control.

Vehicle Speed Detection System (AI/ML + IoT/Computer Vision Project)
- Designed and implemented a real-time **vehicle speed detection system** using **Python and OpenCV**, calculating speed based on motion across video frames.
- Utilized **object tracking algorithms** and frame timestamps to measure time and compute vehicle speed using the distance-time formula.

Achievements

- **Published a patent** titled "*Head-Wearable Safety Device*" aimed at enhancing personal safety using real-time sensing and alert mechanisms
- Took part in a competitive hackathon hosted by SR University to develop innovative tech solutions.   .

Certifications

Career Essentials in Project Management course by Microsoft and LinkedIn! .	April 2025
Virtual Internship in AI/ML offered by AICTE	Dec 2024
Microchip embedded system developer virtual intership .	March 2025