SESHAJALAM.G

CONTACT

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SKILLS

Python

Machine Learning and Deep Learning

Natural Language Processing

Image Processing

EDUCATION

Master of Technology

Vellore Institute of Technology

2023-2025

Computer Science and Engineering Specilization with AIML

CGPA - 7.4

Bachelor of Technology

Kingston Engineering College

2019-2023

Information Technology

CGPA - 8.1

LANGUAGES

English

Tamil

PROFILE

Dedicated and enthusiastic Computer Science student currently pursuing a Master's degree, with a strong interest in Python software development. Proficient in writing clean, efficient, and maintainable code, and experienced with Python frameworks such as Django and Flask through coursework and personal projects. Eager to apply theoretical knowledge to practical scenarios and contribute to real-world software development projects.

WORK EXPERIENCE

Intern

Teachnook

- As a Machine Learning Intern at Teachnook, I honed my skills in developing and deploying machine learning models to tackle real-world problems. I worked with a variety of datasets, experimented with different algorithms, and leveraged tools like TensorFlow, Keras, and scikit-learn to create and assess models.
- This internship not only strengthened my technical abilities in model development, data analysis, and problem-solving but also refined my ability to collaborate effectively in a professional environment. I'm eager to apply this experience to future machine learning projects and continue contributing to groundbreaking advancements in the field.

Project

Real time object detection using YOLO

- YOLO is a deep learning model that can detect and classify objects in images or videos quickly and accurately. It uses a single neural network to predict bounding boxes and class probabilities for multiple objects at once, making it faster than traditional multi-stage methods.
- YOLO divides the input image into a grid and assigns bounding boxes and class probabilities to each grid cell, allowing it to detect objects at different locations and scales. Its high speed and efficiency make it suitable for real-time applications like video surveillance, autonomous vehicles, and live object tracking.

Real time object detection using YOLO v8

- YOLOv8 also demonstrates superior accuracy compared to previous YOLO models, ensuring reliable and precise object detection. Its versatility enables it to detect a wide range of objects, from people and vehicles to animals and everyday items. Designed with user-friendliness in mind, YOLOv8 is accessible to developers and researchers of all levels.
- Additionally, it offers flexibility for customization, allowing users to tailor the model to specific requirements and datasets. These features make YOLOv8 a powerful and versatile tool for real-time object detection, suitable for various applications such as video surveillance, autonomous vehicles, and real-time image analysis.

Certifications

- Python on GUVI
- MongoDB on simplilearn
- 24th and 25th SET conference (held at VIT, Vellore)