# Dasari Mouni Sri

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## Summary

A passionate engineering student specializing in AI, ML, and Deep Learning, with hands-on experience in building intelligent systems and delivering efficient solutions. Proven expertise in designing algorithms, optimizing models, and deploying web-based applications. Possesses a strong background in front-end web development, creating visually appealing and functional interfaces. A proactive learner, committed to continuous improvement and excelling in dynamic, cross-functional team settings as well as solo projects.

## Projects

**Medicinal Leaf Recognition Using Swin Transformer (Ongoing)**　　　　**January 2025**

- The objective of this project is to develop an automated deep learning-based system using the Swin Transformer for accurate identification of medicinal leaves.
- A Shifted Window Self-Attention (SW-MSA) mechanism is used for feature extraction and Swin Transformer model for classification using the VNPlant200 dataset.
- Tools Used: Python | Google Colab | Swin Transformer | VNPlant200 Dataset

**Traffic Control Optimization**　　　　**June 2024**

- The objective is to deploy optimized traffic signal timings and monitor traffic flow for iterative improvements. A LightGBM model using the Gaussian Optimization parameters was used with the help of the Traffic Prediction Dataset.
- Tools Used: LightGBM | Gaussian Optimization | Traffic Prediction Dataset

## Skills

**Programming Languages**: Python, Java, C, HTML, CSS,JavaScript.

**Core Domain Skills**: Machine Learning, Deep Learning

**Computer Science Concepts**: Data Structures and Algorithms, Object-Oriented Programming, Operating Systems.

**Other Skills**: Ms-Word, Problem Solving, Communication, Team Work.

## Courses and Certifications

- NPTEL Elite in Soft Skills (2024)
- NPTEL in Privacy and Security in Online Social Media (2024)
- NPTEL in The Joy of Computing Using Python (2023)
- Database Programming with Sql (2024)
- Participation Certificate in HP Power Lab - Hindustan Petroleum Corporation Ltd (2024)

## Education

**BV Raju Institute of Technology**　　　　**June 2026**
*Bachelor of Technology in Artificial Intelligence and Machine Learning*　　　　*CGPA-7.44*

**Krishnaveni Junior College**　　　　**April 2021**
*Intermediate Education*　　　　*Score-97.6*

**TS Model School**　　　　**April 2020**
*St Marys High School*　　　　*GPA-10*