G T SAI SIREESH

Senior Year
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EDUCATION

• B.E, CSE, Dayananda Sagar Academy of Technology, Bengaluru. *2021-25*

• Grade XII, Narayana PU college, Karnataka. *2019-21*

• Grade X, Ashirvad High School, Karnataka. *2006-19*

PROJECTS

◆ **Plant leaf nutrient deficiency classification using python**
  - Developed a Python-based project utilizing Convolutional Neural Networks (CNN) for analysing plant nutrient deficiencies.
  - Achieved 92% accuracy in detecting nutrient deficiencies using a dataset of 10,000+ leaf images.
  - The model was trained on Kaggle Notebook using a GPU T4 X2 for enhanced performance.
  - Designed the front-end using the Flask library.

◆ **U-Net Model for Real-Time Land Coverage area**
  - Implemented a real-time land cover segmentation project to predict the areas covered by agricultural land, urban regions, and water bodies.
  - Achieved **85% accuracy** using the U-Net model with satellite imagery data from the Bhuvan Satellite. Processed **5000+ satellite images** for training and testing.
  - Used the U-Net model, which achieved high accuracy with training and test data collected from the **Bhuvan Satellite**. tried to integrate with Google earth engine API for real time use. But, faced challenges with image clarity of GEE images. Working on finding alternatives.
  - 1300+ views in Kaggle notebook,

◆ **Truck Leasing Website (DJANGO/ TAILWIND CSS /HTML/ JAVASCRIPT)**
  - Developed a comprehensive truck leasing website using Django, enabling users to browse and Borrow trucks by providing their contact details.

◆ **Flight Ticket Booking System (HTML/ CSS/ PHP/ SQL)**
  - Created an intuitive interface for users to specify travel details (from, to, date). Retrieved and processed flight data from external sources or manually updated datasets.
  - Designed and implemented a database schema to store flight information, user bookings, and other relevant data.
  - Connected the application to the database using appropriate connection settings and queries.
  - Wrote efficient SQL queries to perform CRUD (Create, Read, Update, Delete) operations on the Data.
  - Processed and stored data for **5000+ flights** using SQL
  - Ensured an average page load time of **1.2 seconds**, providing a seamless user experience.

TECHNICAL SKILLS

Programming Languages: C++, Python, Java, HTML, PHP, CSS.
Frameworks: TensorFlow, Django.
Database: MySQL.

LANGUAGES

English: Fluent   Kannada: Fluent   Telugu: Conversant   Hindi: Conversant

INTRESETS

Chess