GVND SAI PRASAD

Mobile: 9502518116
Email: saiprasadgovindu@gmail.com
Website: https://www.saiprasad.tech
GitHub: https://github.com/saiprasad1586
LinkedIn: https://www.linkedin.com/in/gvndsaiprasad/

Technical Skills:

- Programming Languages:
  - Python
  - C++
  - Java
- Knowledge In Technology:
  - Deep learning
  - Object detection and Semantic Segmentation.
  - Data Structures
  - API Development in Flask (Micro Web Framework)
- Tools:
  - PyCharm
  - Postman(API Development)
  - Visual Studio code
  - OpenCV
- Operating Systems:
  - Windows 10,11
  - Linux

Publications:

- **Maize Leaf Disease Detection and Classification Using Deep Learning**:
  - This publication is a book chapter in the book "Artificial Intelligence in Mechanical and Industrial Engineering"
  - Designed using Deep learning-based transfer learning Model (Alex Net)
  - Published in CRC press, Taylor and Francis.
    Publication Link: https://tinyurl.com/Maizeleaf
    Chapter No: 6
- **Fire detection based on transfer learning-based single shot detector:**
  - The Research aim is build a model, which can detect and localize fire in a Frame.
  - This Project is a final year Major Project.
  - Method: Object detection.
    Framework: TensorFlow 1.14 (TFOD API)
    Publication Status: **In Review.**

Projects:

1. **Vehicle Damage Detection:**
   - Created a project on image segmentation and localization, and purpose is to create a real-time application that can recognize vehicle damage.
   - Developed model using TFOD API(TensorFlow 1.14)
   - Model is able to determine damaged areas with a 90% accuracy.
   - Customized Mask RCNN with Resnet 50(feature Pyramidal Network)
   - GitHub: https://github.com/saiprasad1586/Vechile-damagedetection
   - Real Time Prediction: https://tinyurl.com/realtimepred
   - Deployed Web APP: https://vechicledamagedect.herokuapp.com/

2. **Multi-Class Texture analysis in Colorectal Cancer Histology:**
    - Project is a research paper implementation. The aim of the project is classifying 8 different types of Tissues in the large intestine (Tumor, Stroma, Complex, Lymph, Debris, Mucosa, Adipose, Empty)
    - Improved the accuracy significantly from 88 percent in the reference paper to 92 percent
    - Baseline Model: Transfer learning based Mobile Net model
    - GitHub: https://github.com/saiprasad1586/Colorectal-Cancer-
    - Original Paper: https://www.nature.com/articles/srep27988

3. **Real-time Facemask Detection:**
    - Conceptualized this project to determine whether or not a person is wearing a Mask in real time. It is developed using Media Pipe library. And to train the images CNN (Convolutional Neural Network) is used. Overall accuracy is 95%.
    - GitHub: https://github.com/saiprasad1586/FaceMaskDetection
    - Realtime prediction: https://tinyurl.com/MaskRealTime

4. **COVID19 VS Pneumonia X-ray Classification:**
    - Created this project to classifying COVID-19 and Pneumonia Chest X-rays, it is built using a pretrained Resnet 50 model.
    - Validating the results, the classification Accuracy is 91%
    - The data is collected from Kaggle.
    - GitHub: https://github.com/saiprasad1586/COVID-XRAY-CLASSIFICATION

Experience:

Company: TATA Consultancy Services *June 2021 – Present*
Role: Assistant Systems Engineer
Project: Tata Telecommunications

Free Lancing: Worked as a Freelancer on various Deep learning and Object detection, projects deployed them using Rest APIs (Flask) *June 2019-June 2020*

Education:-

Level	Year of Passing	University/Board	CGPA/Percentage
Bachelor of Technology	June 2021	GITAM Deemed to be University	8.26
Senior Secondary	May 2017	CBSE	74%
SSC	May 2015	CBSE	8.2

Activities:

- **MEMBER:** GLUG (GNU Linux Users Group):
    1. Established a student Organization to promote the use open-source software.
    2. Encouraged the use of free Software's through awareness Programs.
    3. Led Peer Learning Programs.
    4. Organized Guest Lectures by leading members of the community.

Personal Details

- Languages: English, Telugu, and Hindi

(GVND SAI PRASAD)