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Skills

Python, Computer Vision, Machine Learning, Deep Learning NLP, Git, Statistics, Docker, Flask Mongo-DB, OpenCV, MLOPs, Cloud.

Technology Used

Xgboost Random-Forest, LGBM Ridge-Regression LSTM Unet YOLOv4 Mediapipe Deepsort Detectron2 DenseNet121 ResNet Tensorflow-Object-Detection Inception-Net KNN GAN Bert Distilbert etc..

Certifications

- Top 5 in India Nvidia Academia Connect AI Hackathon 12th September 2021.
- Coursera Certification on Python Data Structure.
- Coursera Certification on Neural Networks & Deep Learning.
- Introduction to Internet of things & Cloud(Udemy).
- NPTEL (12 Week) on Problem Solving Through Programming in C.
- INeuron Intelligence-MLD6th June.
- INeuron Intelligence DLVCNLP 10th October.
- INeuron Intelligence Stats for Data Science.
- INeuron Intelligence Internship Completion Certificate.

Swati Sinha

Summary

A Data Scientist with about 1.5 years of experience of working in python, Machine Learning, Deep Learning, Computer Vision, NLP, Docker, Cloud Heroku etc. I have made various real time industry based projects on different domains in ML, DL, Computer Vision and NLP field to solve challenging business problems. Also made IOT based projects and written various blogs.

Work Experience

Project Internship Team Lead

(Feb 2021-May 2021)

iNeuron.ai

- Worked on Real-Time Industry based Traffic Control Computer vision Project.
- Done Data collection, cleaning, training, deployment along with HLD, LLD & DPR documentation.
- Led a team of about 8 people in Deep Learning Projects.

Junior Data Scientist (Research & Development)

iNeuron.ai

(12th July 2021- Present)

- Done Deep Learning, Machine Learning & Computer Vision company based Projects along with dockerization to deployment on AWS cloud.
- Mentored many Students on their career-path & Interview Project works. Created various Data Science Content.
- Working at the Research & Development team now.

Freelancer at Upwork

Vehicle Damage Recognizer (Upwork Freelance Project)([Link](#))

- 1. From image detect vehicles, 2. Detect whether the vehicle is damaged if damage found then find out the damage location(Front, Side, Rear), 3. Damage type(Minor, Moderate, Severe) 4. Estimate insurance value.

Projects

Flight Price Prediction App ([Link](#))

- An complete end-to-end AI application to find out the price of the flights automatically.

Image Segmentation and smooth blending using Unet ([Link1](#)) ([Link2](#)) ([Link3](#))

1. Satellite image, 2. Instance segmentation on Medical image and nucleus count, 3. Background replacement from image using mask segmentation.

Instant Segmentation with Detectron 2 ([Link](#))

- ♦ Trained on skin cancer dataset and cancer type recognition

Real time Pothole Detection with area calculation ([Link](#))

- ♦ Detection of Pothole calculates its area and location in Real time.

Real time Collision Control System ([Link](#))

- ♦ An automatic Custom DL-based System, Which gives warning when it detect any collision is about to happen between the vehicles.

iFAS - Intelligent Face Attendance System ([Link](#))

- ♦ An Automatic one time face attendance system for schools, colleges or any corporate sector.

ATCC- Automatic Traffic Counter Control (Internship Project)

- ♦ 1) No. Plate Recognition ,reading and storing the registration number 2) Vehicle counting from both side of the road 3) Safest distance between two vehicles, 4) Detection helmets of the bike riders.

3 in 1 Covid-19 Application (Nvidia hackathon Final round project) ([Link1](#)) ([Link2](#)) ([Link3](#))

- ♦ 1.social distance calculation, 2.Hand Gesture Detection(like sneezing , coughing or talking to phone) and 3. Mask Detection.

Fashion Recommender System ([Link](#))

- ♦ An AI based Fashion Recommender system on Myntra image dataset.

(No need to store image data in practical application as it will fetch HD images from company data storage automatically)

Image Restoration with GFP GAN ([Link](#))

- ♦ Restore low level face image into high level face image.

Face Transformation using Style GAN ([Link](#))

- ♦ Transform one unreal face to another unreal face.

Stock Price Prediction Model (LSTM) ([Link](#))

- ♦ A LSTM based model to make the future predictions of Stock Price.

NYC-Taxi-Fare-Prediction ([Link](#))

- ♦ Predicts the fare amount (inclusive of tolls) for a taxi ride in New York City given the pickup and drop off locations.

Credit Card Fraud Detection ([Link](#))

- ♦ A complete ML based Project to detect the frauds with 99% accuracy.

Academic Profile

<u>Level</u>	<u>Year of Passing</u>	<u>University / Board</u>	<u>Score</u>
Bachelor of Technology on Computer Science & Engineering	2022	University of Engineering & Management, Jaipur	8.7 SGPA
Higher Secondary	2018	WBSE	77%
Madhyamik (Secondary)	2016	WBSE	89%