Aayushe Singh
Machine Learning Engineer

Motivated, teamwork-oriented and responsible Machine Learning Engineer. Passionate about helping businesses succeed. Experience of working with a product development team. Having a knack for Deep Learning and Machine Learning.

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WORK EXPERIENCE

Machine Learning Engineer
Tezsure

02/2020 – Present *Bangalore*
A startup working on simplifying insurance using smart contracts and machine learning

Achievements/Tasks

- Credit Risk Analysis using Psychometric Data ● Worked on a research paper to analyse the creditworthiness of a candidate based on behavioural data. Used factor analysis, clustering and decision tree for statistical analysis. GitHub link https://github.com/aayushe/Credit_Risk_Psycometric_Data ⌁
- Crack Detection on Mobile Screen ● Implemented the task using image processing, OpenCV and Google Vision API for identifying and locating mobile in an image, detecting crack and extracting the model name of various mobile phones.
- Worked on flask blueprint, flask API, wsgi for production.

Machine Learning Engineer
Dataval Analytics

12/2018 – 01/2020 *Bangalore*
A startup founded by Sam Pitroda working in data science and image analytics

Achievements/Tasks

- Face Recognition and Similarity ● Implemented face recognition which works on identifying 68 landmark features ● encoding them as vectors and then finding the Euclidean distance between them to get similar matches.
- Object Detection and Segmentation ● Implemented Mask RCNN for object detection and segmentation from the heap of objects. GitHub https://github.com/aayushe/Object-identification-and-Segmentation- ⌁
- Video Analytics ● Implemented real-time object detection using YOLO and its variants. ● Used OpenCV for Pre-processing, Resizing, Read, Write etc.

Automation Engineer
Calsoft Inc

04/2018 – 11/2018

Achievements/Tasks

- Worked on Virtual Machines, Backup-Restore and Python

EDUCATION

Bachelor Of Engineering
Technocrats Institute Of Technology

05/2014 – 05/2018 *8.5 GPA*
Branch

- Computer Science

SKILLS

Machine Learning Algorithms

Deep Learning   Computer Vision

Python   Flask API   CNN   Mask RCNN

Dimensionality reduction (Factor analysis , PCA)

Image Processing   Tensorflow and Keras

Google Vision API   Flask Blueprint

Feature Extraction and EDA   Linux   GIT

OOPS

ACHIEVEMENTS

Got 90%+ accuracy in segmentation of objects
Task was to segment all objects from the heap of objects - Finally Used maskRCNN for detection and instance segmentation.

IndiaMart Hackathon Final Round
Task was to Find Price Range of items in various categories of varying scale .Created a statistical model to estimate the prices

CERTIFICATES

Neural Networks and Deep Learning by deeplearning.ai ⌁
Completed Andrew Ng's quintessential course on deep learning

INTERESTS

Active Podcast Listening   Swimming

Gardening   Painting

Reading (factual books and Blogs)