
Technical Skills

Languages: C++, Python.

Frameworks/Libraries: NumPy, Pandas, scikit-learn, PyTorch, Tensorflow, Keras, OpenCV, NLTK.

Other: Git/GitHub, Regular Expression, SQL.

Mathematical Skills

Statistics: Maximum Likelihood Estimation, Point Estimation, Interval Estimation, Hypothesis Testing, ANNOVA

Machine Learning: Regression, Bayesian Method, Tree-based Learners, SVM

Deep Learning: FNNs, CNNs, RNNs, Autoencoders

Project Experience

Financial Reports Analysis - github.com/gshashank84/FINREP

August 2020

- Identified Top 3 influential sections for analysis of each Financial report.
- Developed Regular Expression for extracting the required sections from the text data.
- Calculated positive score, negative score and polarity score for analysis of Sentiment Opinion.
- Calculated fog index and percent of complex words for analysis of Readability.
- Resulted in minimizing 90% of the effort for investors from the analysis of financial reports.

CheXNet - github.com/gshashank84/CheXNet

November 2019

- Built Image classifier to predict the probability of Pneumonia disease by Chest-X Ray images.
- Single-page, responsive application built with Flask framework and hosted on GCP.
- Predicted the disease with the classifier having AUROC of 0.824 for total average.

Finding Donors for Charity - github.com/gshashank84/FDC

June 2018

- Preprocessed dataset having nearly 15 million working Californians of income more than \$50,000.
- Evaluated and optimized several supervised learners to determine the best algorithm for this case.
- Identified best potential donors and reduced overhead cost of sending mail.

Work Experience

Signy Advanced Technologies - Machine Learning Intern

December 2019 - May 2020

- Responsible for designing and maintaining Custom Object Detection models.
- Implemented Face ID Tracking model for the use of applying filters.
- Revamped various state of the art Computer Vision models.

Udacity - Independent Consulting

April 2019 - November 2019

- Reviewed 100+ student projects of Machine Learning Nanodegree.
- Provided direct support service to 50+ students.
- Lead the effort to remove bottlenecks between Students and Mentors.

Education

K.V. NO. 3 AFS Bhisiana Bathinda - High School

May 2015

Narayana Junior College - Intermediate

April 2017

KIET Group of Institutions - Computer Science & Engineering, B.Tech.

May 2021

Honors and Activities

- Top 12%, PetFinder.my Adoption Prediction - (Kaggle)
- Explore ML Academy (Google) - Facilitator
- Top 15, HackVSIT Hackathon - VIPS, New Delhi

March 2019 - April 2019
July 2019 - December 2019
February - 2019