

Vaibhav Sharma

A research oriented professional with experience in Data science and Software development with delivering projects from inception to implementation.

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Skills

Sci-Kit Learn, Pandas, PostgreSQL, PyTorch, Tensorflow, Numpy, OpenCV, NLTK, Spacy, Flask, SQLAlchemy

Languages

Python, R and JavaScript

Experience

March 2021 - PRESENT

Soroco Pvt Ltd – *Software Engineer (Machine Learning)*

- Implemented an algorithm for Jerry (NLP based tool for extracting insights from user performed processes) that figures out the number of variations in a process with **Agglomerative clustering** using **SKLearn**, **Pandas** and **SQLAlchemy**.
- Process Insight extractions in client engagements for 3 Fortune 50 clients using NLP based tools.

November 2019 - November 2020

Advenio Tecnosys – *Research Engineer*

- Worked with an enormous and badly structured dataset to make a Bagged ensemble of CNN classifiers to classify Optic Disk diseases using **Pytorch** for implementation and deployed on **AWS**.
- Localization and extraction of optic disc from Retina images using **Faster-RCNN** in **Keras** and **Tensorflow** and built a pipeline of RCNN+CNN to classify extracted Optic Disc and deployed the prototype on **AWS**.
- Generating synthetic fundus images using **GAN** in **Keras** for augmenting data to remove class imbalance.

July 2019 - November 2019

Wipro Technologies Pvt Ltd, – *Project Engineer*

- Maintenance of a C++ Dashboard for a Banking client.
- Underwent training for C++

Publications

- Published [DeepCap: A Deep Learning Technique to caption black and white images](#) in Confluence 2020.

Education

August 2015 - June 2019

Bachelors in Technology

Jaypee Institute of Information Technology, Noida- *Computer Science*