Pratik Geoffrey Saxena

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January 4, 2021 geoffreysaxena.github.io

Actively searching for Internships

EDUCATION

University of Petroleum and Energy Studies

Dehradun, IN

B. Tech in Computer Science and Engineering; CGPA: 7.68

Jun. 2018 - Current

TECHNICAL SKILLS

Languages: C/C++, Java, Python, SAS, R, MySQL, SQLite, TensorFlow.js Business Intelligence: Tableau, Microsoft Power BI, Microsoft Excel

Data Science: Statistical modeling and inference, Pipeline construction, ETL, Data Wrangling

Machine Learning: TensorFlow, Sklearn, SciPy, Pandas, NumPy, Matplotlib

Developer Tools: Git, VS Code, Visual Studio, PyCharm, Anaconda **Others**: MS Office (Complete tool set), Scrapy, Streamlit, Figma

EXPERIENCE

STEM-Away Santa Clara, CA

Artificial Intelligence Intern

Jun. 2020 - Jul. 2020

- Leveraged Natural Language Processing techniques to deploy a 7 layered Neural Network.
- Utilized Python & Scrapy built pipeline to automate scraping & pre-processing from over 120 websites.
- Devised an automatic web scraper top pull and analyze data from over 8000 forum posts.
- Constructed a **pipeline** of over **30** custom data science utilities in Python, to facilitate data cleaning, visualization, modeling, cross-validation, hyper-parameter tuning, and model ensembling.

Government of Uttarakhand

Dehradun, IN

Data Analyst & Machine Learning Intern

May. 2020 - Jun. 2020

- Spearheaded the development of a registry that stored sensitive data of over 17,000 villages.
- $\bullet \ \ {\rm Over} \ {\bf 55} \ {\bf Insights} \ {\rm pivotal} \ {\rm to} \ {\rm deploy} \ {\rm a} \ {\rm skill} \ {\rm registry} \ {\rm initiative} \ {\rm were} \ {\bf extracted} \ {\rm using} \ {\rm data} \ {\rm cleaning} \ {\rm methods}.$
- A classification model was delivered, that was further deployed over an app within a span of 60 days.

PROJECTS

Doodle Classification Neural Net | Python, TensorFlow, TensorFlow.js, & p5.js

- Constructed Image Classifier that classifies 345 different doodled items with about 89% accuracy.
- Trained model on 1,72,50,000 doodles with TensorFlow on Google Colaboratory.
- Converted **trained** model and **deployed** over the browser with **TensorFlow.js** and **p5.js** libraries.

Analysis on Criminalization of Politics | C Programming, k-means clustering, \mathcal{E} Tableau

- Addressed unawareness among general public by analyzing criminal data of over 300 politicians.
- Formulated a visualization that colored attributes of criminals and politicians using Tableau.
- Visualized GitHub data to show **collaboration** over the span of 150 days.

Prediction of Used Car Price | Python, SAS, & SQL

- Wrangled, Analysed data-set with 1.75 million records and 25 different features.
- Analysed each of the **25 features** to determine the impact on the output variable.
- Utilized SQL and PROC SQL queries to subset and clean data.
- Formulated **regression models** to predict the value of the used cars.

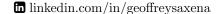
Positions of Responsibility

Joint Secretary

Dehradun, IN

Jun. 2020 - Present

- Counsel the functioning of finance, logistics, event management & public relations.
- Mentor and Supervise 18 other decision makers to ensure smooth function of the organization.



Computer Society of India

<u>ldd</u> public.tableau.com/profile/saxenageoffrey

ு github.com/GeoffreySaxena