

Pratik Geoffrey Saxena

+91-9890957202

G saxonageoffrey@gmail.com

December 31, 2020

🌐 geoffreysaxena.github.io

Actively searching for Internships

EDUCATION

University of Petroleum and Energy Studies

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

Dehradun, IN

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** to 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.
- Over **55 Insights** pivotal to deploy a skill registry initiative were **extracted** using data cleaning methods.
- A **classification** model was delivered, that was further deployed over an app within a span of **60** days.

PROJECTS

Analysis on Criminalization of Politics | C Programming, k-means clustering, 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 Car Price | 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.

Dog Breed Classifier | Convolutional Neural Networks, Transfer Learning, & TensorFlow

- **Leveraged** Transfer Learning to create a **50 layered multinomial classifier** Neural Network.
- Trained the Neural Network to distinguish between **150** different dog breeds, with **20,580** images.

POSITIONS OF RESPONSIBILITY

Joint Secretary

Dehradun, IN

Computer Society of India

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.