

# Shreyas Garga, Data Analyst

## CONTACT

### PHONE

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### LINKEDIN

[www.linkedin.com/in/shreyas-garga](https://www.linkedin.com/in/shreyas-garga)

### GITHUB

<https://github.com/sheygarga>

## TECHNOLOGY

### PYTHON



### SQL



### NEURAL NETWORKS



### JAVASCRIPT



### MACHINE LEARNING/BIG DATA



### ADVANCED EXCEL



### JAVA



## SKILLS

- DATA WRANGLING
- GRAPHING/CHARTING
- SOCIAL MEDIA MINING
- SQL/NoSQL APP BUILDING
- WEB SCRAPING
- WEB DEVELOPMENT
- GEO MAPPING
- INTERACTIVE VISUALIZATION
- STATISTICAL ANALYSIS WITH R
- TABLEAU/POWERBI

## Summary

Driven data analyst with a Bachelor's in Neuroscience and experience in business and social analytics. Has created numerous automated and responsive data analytics applications and solutions to identify, analyze, and interpret trends and patterns. Excellent research and analytical skills. Gamer, Twitch streamer, guitarist, black belt in Tae Kwon Do, and a diehard sports fan.

## Skillset

Python Pandas, Numpy, SciPy, Matplotlib APIs, Tweepy, Vader, Seaborn, PySpark, Plotly, Bokeh, PyTorch, NLTK, SpaCy, Gensim, Scrapy,  
Database MySQL, MS SQL Server, MongoDB, SQLAlchemy, Flask  
Web Javascript, Bootstrap, Angular, ChartJS, JQuery, D3, NodeJS, React, Leaflet, Carto, CSS  
Big Data R, TensorFlow, Spark, Hadoop, NLP, MRJob, Keras, SKLearn, AWS, GCP, Azure

## Employment

### Sevatec/United States Citizenship and Immigration Services Fairfax, VA

Team Lead ML/AI Development, Data Analyst, Support Aug 2019 – Current

**Technologies:** Python, R, SQL, Jupyter, SMART/OBIEE, SAS, SAS Viya, DataBricks, Tableau, Excel

#### Responsibilities:

- Design and develop an automated application approval system for faster and more efficient adjudication of immigration cases.
- Responsible for data cleaning and data analysis using LASSO Regression, correlation matrices, and stepwise subsets to build predictive models for machine learning.
- Utilized K-means clustering to find correlations between cases, decision trees based on agents' protocols for case evaluation, and neural networks to process the numerous variables and factors.
- Designed data dashboards using a variety of data visualizers to help analyze trends and tendencies.

### Administrative Office of the US Courts

Washington DC

Lead Data Analyst – IT Security

Oct 2018 – Aug 2019

**Technologies:** MySQL, Excel, Tableau, Tableau Prep, d3, Plotly, and Numpy

#### Responsibilities:

- Design and create dynamic and interactive Excel and Tableau Dashboards for the executives to help analyze threats, identify trends and make strategic decisions.
- Import Security Threats data from the judiciary units across the country into MySQL and write Python scripts to convert data into intelligent information.
- Present findings to the management and prepare reports for the executives to present in Federal and State Level regulatory meetings.
- Responsible for prompt and accurate analysis to help ensure cybersecurity for the judiciary.

### Avyuct

Herndon, VA

Developer and Data Analyst

May 2018 – Oct 2018

**Project:** Object Detection

**Technologies:** COCO, RCNN, Google Cloud Platform, TensorFlow, Python

#### Responsibilities:

- Set-up environments on Google Cloud Platform to enable development and testing.
- Develop Python Scripts to convert datasets to TFRecords
- Integrate pre-trained COCO Datasets for Transfer Learning.
- Configured pipeline to tune model and training parameters.

**Project:** Skills Gap Analysis

**Technologies:** Neo4j, Python, NLP

#### Responsibilities:

- Develop Python Libraries for dependency parsing using NLP
- Write scripts to clean and process dependency parsing results and load to Graph database.
- Customize properties of nodes and relations to draw inference and make recommendations.

**Project:** Sentiment Analysis

**Technologies:** Twitter, Python, Tweepy, Pandas, NumPy, TensorFlow, Keras

#### Responsibilities:

- Extracted training data and relevant tweets using Pandas, NumPy, and Tweepy.
- Trained the model using TensorFlow and Keras
- Transformed the script to accept inputs from the company website for trial usage

## Education

**George Washington University:** Data Analyst/Data Visualization Certificate

**George Mason University:** BS in Neuroscience

Aug 2013- Dec 2017