Shikha Purohit

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Github: https://github.com/shipur
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Data Analyst with strengths in Python, Pandas and mySQL and a background in Java, C++ and C#.

Skills

- Data Analytics skills including Excel, VBA, Python, Pandas, Matplotlib, Tableau, R and mySQL
- Web design and development including HTML, CSS, JavaScript and Jquery.
- Programming languages including Python, C, C++, C#, Java.
- Team player.

Projects

Weather Analysis:

- Mapping the weather of various cities across the globe and analysing the weather as you get closer to the equator.
- Created a Python script to visualize the weather of 500+ cities across the world of varying distance from the equator.
- Utilized a simple Python library, the OpenWeatherMap API.

Healthcare Analysis:

- Analyzed Average Healthcare cost Vs. Average Income in the USA.
- By leveraging data sets available through census.gov and healthcare.gov, created visualizations comparing Average Household Income and Average Healthcare Cost.
- Python, Pandas, Matplotlib, Excel.
- https://github.com/sthomp13/Healthcareanalysis

News Sentiment Twitter Analysis:

- A Python script to perform a sentiment analysis of the Twitter activity of various news channels.
- Performed a sentiment analysis of the Twitter activity of various news outlets and presented my findings visually using matplotlib.
- Final output provided a visualized summary of the sentiments expressed in Tweets sent out by the following news organizations: BBC, CBS, CNN, Fox, and New York times.
- Python, Pandas, Matplotlib and Jupyter Notebook.

- https://github.com/shipur/NewsMood.git

Earthquake Visualization:

- visualized earthquakes occurring globally using a live API feed provided by the USGS(United States Geological Survey).
- Used leaflet.js, HTML/CSS, Bootstrap, Javascript, GeoJSON.
- https://github.com/shipur/Earthquake-Visualization.git

Experience

January 2014- June 2015

Jersey City Board of Education, Jersey City, NJ – *Programmer*

- Web based e-Connectivity form that allows user to fill, upload and approve connectivity forms online.
- Used Web Development technologies including Java, Javascript and Jquery.

March 2003- March 2006

Company Name, Location – *Associate Programmer*

- Development of systems software components for the Siemen's SIMATIC S7 Workbench used in automation industry.
- Working collaboratively with the team to make decisions on build vs. buy for the public domain software using C#.

Education

January 2018-current

Rutgers, the State University of New Jersey, New Brunswick, NJ
Rutgers Data Continuing Education Program - Data Analytics
An intensive 24-week long boot camp dedicated to Data Analysis Methods and Techniques, Data Preparation for Data Mining and Advanced Methods and Applications

Fall 2010 and Spring 2011

New York University, NY, NY
Web development & Advanced Web development

Princeton University, Princeton, NJ
Programming Languages

Rutgers, the State University of New Jersey, New Brunswick, NJ
BS Computer Science (Honors)

Awards

Departmental Honors in Computer Science for extraordinary academic achievement

Dean's list .