

Yatin Kapur

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TECHNICAL SKILLS

LANGUAGES: Python • Racket (Scheme) • C • SQL • \LaTeX • HTML5 • CSS

FRAMEWORKS & LIBRARIES: Flask • Bootstrap • Numpy • Pandas • Matplotlib • Re • BeautifulSoup

TOOLS: Vim • Heroku • Git • IPython/Jupyter Notebook • JIRA • HP QC

EXPERIENCE

INDIGO BOOKS & MUSIC, Junior Quality Assurance and Support Analyst *Brampton, ON | May, 2017 – Present*

- Operated with ERP and EWM modules in SAP to test interfaces and order waves processing in the deployed software to ensure labels printing, shipping status, and procurement logic was maintained.
- Wrote and executed **over 100** test cases in HP Quality Control, while reporting bugs found to JIRA.
- Applied SQL queries in Microsoft SQL Server 2016 to find, select, and process vendor and shipping data into and out of warehouses for test data preparation and aggregation.

PROJECTS

\$TICKER

- A responsive stock ticker for NASDAQ symbols with live quotes available on demand with **60 second granularity**.
- Implemented with data collected from googlefinance library in Python and googlefinance web csv feeds.
- Deployed as a Heroku web app, designed with Bootstrap and Flask/Python - with output coming through data cleaned from pandas and plotted via matplotlib.

PASSWORD ANALYSIS

- Webscraped entropy data and tested a sample of **61682** user entered passwords to classify into character based categories using **regex**.
- Conducted **entropy analysis** to decipher password strength and plot an entropy based distribution curve with **matplotlib** and **pandas**.
- Wrote a python script to make passwords stronger based on the entropy analysis, yielding a **30.24%** increase in entropy based passwords strength of the password set.

VIZ-A-WEEK

- Commitment to publishing a weekly data visualization from u/viz-a-week on the subreddit r/dataisbeautiful.
- Implemented practices of validating, calculating, and filtering data to find appropriate visualization for provided statistics on a regular basis.
- Used seaborn, matplotlib, pandas, and numpy libraries with several APIs to get meaningful data to work with.

FIND FOOTY

- Gave analysis of soccer events using performance based metrics.
- Compared **expected goals (xG)** compared with **points dropped** to find a positive correlation between goalkeepers stability and the teams performances.
- Using the **Time to Shoot (TTS)** and **expected goals (xG)**, predicted the Euro 2016 knockout match outcomes with an accuracy of **56.25%**.

EDUCATION

UNIVERSITY OF WATERLOO | Candidate for Bachelor of Computer Science

2016 – 2021

WILFRID LAURIER UNIVERSITY | Candidate for Bachelor of Business Administration

2016 – 2021