Shaswat Dharaiya

Github LinkedIn Stack Overflow | Mail: srd22@njit.edu Mobile: +1-201-736-5302 Location: Jersey City, New Jersey

EDUCATION

New Jersey Institute of Technology — Newark, New Jersey
Master of Science - Computer Science - GPA: 3.786 — *Sept 2021 - Present*
Coursework: Data Analytics, Data Mining, DBMS, Data Structures & Algorithms, Operating System, Deep Learning, Cloud Computing

Gujarat Technological University — Ahmedabad, Gujarat
Bachelor of Engineering - Computer Science - GPA: 8.43 — *Jul 2016 - Aug 2020*
Coursework: DBMS, Data Structures & Algorithms, Operating System, Programming Languages, Artificial Intelligence, Machine Learning

PUBLICATION

S. Dharaiya, B. Soneji, D. Kakkad and N. Tada, **Generating Positive and Negative Sentiment Word Clouds from E-Commerce Product Reviews**, 2020 International Conference on Computational Performance Evaluation (ComPE), 2020, pp. 459-463, doi: 10.1109/ComPE49325.2020.9200056.

SKILLS

Languages	Python, R, MATLAB, Octave, JAVA, JavaScript, Shell Script, MERN-Stack, MongoDB, SQL
Frameworks	scikit-learn, NLTK, PyTorch, TensorFlow, Flask, Pandas, NumPy
Tools	GIT, Conda, NoSQL, MySQL, LaTeX, MS Office
Platforms	Linux, AWS, Windows, Arduino, Raspberry Pi

PROJECTS

Social Media Impact on Stock Market
Predictive Modeling — *Jan 2022 - Present*
- Collect Social Media data from **Twitter & Reddit** using **Twitter API v2 & PushShift API**.
- Compiled over 500k records combined to build a daily corpus over a 121 days. Engineered features such as **frequency of Punctuation marks & Capital letters**, plus **Polarity & Subjectivity** score from **TextBlob**.
- **Cleaned** the text using **TUTC**. Preprocessed the social media data & stock data to **predict the movement** of the stock.

TUTC - The Ultimate Text Cleaner
Natural Language Processing — *Aug 2020 - Present*
- Apply **Four rounds** of text cleaning. **Round 0 & Round 2** harnesses **RegEx** to remove contraction & special characters.
- Applying the **num2words** package, **Round 1** converts numerical text into plain text.
- Using **NLTK**, **Round 3** removes the **Stop words**.

EXPERIENCE

VP Development & Alumni Relations at New Jersey Institute of Technology — Newark, New Jersey
Data Analyst — *Dec 2021 - Present*
- Unveiled highly engaged cohorts to identify attributes like Graduation Year & Education Major for designing the model.
- Built an **ETL Pipeline** to load the Alumni data into **Random Forest Classifier** & predict the likelihood of improving the Alumni engagement with a **95.2% accuracy**.
- Identified 2000+ potential Alumni with probable capacity for benefaction. Created an opportunity to raise $150k in gifts.

New Jersey Institute of Technology — Newark, New Jersey
Graduate Tutor — *Oct 2021 - Jan 2022*
- Tutored 5+ subjects such as Data Mining, Machine Learning, Database, JAVA, and Networking.
- Assisted 50+ students in achieving clarity of concepts and developing clean code.
- Gained utmost confidence in concepts & technical skills; Over 45 students secured an **A grade** for the respective courses.

Atmiya Scientific Traders — Rajkot, Gujarat
Full-Stack Developer — *Aug 2020 - Aug 2021*
- Built **over Ten modules** for Login, Quotation, and Catalogue Modules & the UI using **MERN Stack**.
- Improvised quotation generation process and eliminate redundant steps. Preparation time reduced from 90 min to 2 min.
- Sky-rocketed monthly sales **by 21%** by making sales & stock data readily accessible & channelizing the workforce to sales.

V.V.P. Engineering College — Rajkot, Gujarat
Research Assistant - Data Mining — *Dec 2019 - Jul 2020*
- Examined the flaws of the current approach, ie. depending on ratings & reviews alone to critique a product on E-commerce.
- Exposed the barrier in ratings & reviews by producing **Sentiment polarity** graphs via **TextBlob & Matplotlib**.
- Implemented **Word Clouds** to showcase the features. Inculcated 50,000+ product reviews to bridge the gap in **Python**.