

Shaswat Dharaiya

Jersey City, NJ 07306

shaswatdharaiyafothu_22b@indeedemail.com

+1 201 736 5302

Willing to relocate: Anywhere

Work Experience

Data Scientist & Analyst

New Jersey Institute of Technology - Newark, NJ

December 2021 to Present

- Executed predictive modeling, namely Logistic Regression on university history data; incorporated over 43 decision variables.
- Uncovered 100k+ active constituents by harnessing Power BI & Raiser's Edge; studied profitability of data points.
- Identified 700+ potential constituents with probable capacity for benefaction; Created an opportunity to raise \$150k in gifts.

Graduate Tutor

New Jersey Institute of Technology - Newark, NJ

October 2021 to January 2022

- Tutored 5+ subjects including Big Data, Data Mining, Machine Learning, Database, JAVA, and Networking.
- Invested 100+ hours & 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.

Full-Stack Developer

Atmiya Scientific Traders - Rajkot, Gujarat

August 2020 to August 2021

- Built more than 10 modules for Login, Quotation, and Catalogue Modules & the UI using MERN Stack.
- Revised quotation generation process and eliminate redundant steps. Preparation time was reduced from 90 min to 2 min.
- Rendered data & manpower readily accessible for the sales team which sky-rocketed monthly sales by 21%.

Research Assistant - Data Mining

V.V.P. Engineering College - Rajkot, Gujarat

December 2019 to July 2020

- Studied what helps a user critique a product precisely & efficiently on E-commerce by examining over 35 research articles.
- 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.

Project Planning - Head Coordinator

V.V.P. Engineering College - Rajkot, Gujarat

January 2018 to September 2019

- Directed resource planning & allocation. Led over 8 various technical competitions such as coding and algorithm analysis.
- Obtained technical insight into organizing and rectifying issues that may arise during the planning phase or run-time through managing state-level events with over 2000 attendees.
- Re-engineered the workflow to consolidate participant-to-participant engagement. Restructured the communication flow among the 10 departments and cut down paperwork by 70%.

Education

Master of Science in Computer Science

New Jersey Institute of Technology - Newark, NJ

September 2021 to Present

Bachelor of Engineering in Computer Science

Gujarat Technological University - Ahmedabad, Gujarat

July 2016 to August 2020

Skills

- Languages Python
- R
- MATLAB
- Octave
- JAVA
- JavaScript
- Shell Script
- MERN-Stack
- MongoDB
- NLTK
- PyTorch
- TensorFlow
- Flask
- Spark
- Pandas
- NumPy
- Tools GIT
- Conda
- NoSQL

- MySQL
- SQLite
- Web
- Windows
- Arduino
- Raspberry Pi
- AWS
- Linux
- Machine Learning
- Data Science

Languages

- English - Expert
- Gujarati - Expert
- Hindi - Expert

Publications

Generating Positive and Negative Sentiment Word Clouds from E-Commerce Product Reviews

<https://ieeexplore.ieee.org/document/9200056>

September 2020

- Proposed a productive alternate approach with catalyzing differences in evaluating a product in under 30 seconds.
- Mined 1000s of keywords in the corpus by generating positive & negative sentiment Word Clouds in Python.
- Dragged down the average time invested to analyze a product from 4 min to mere 20 seconds per product.