Rutu Desai

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SUMMARY

Data Science graduate student with an undergraduate degree in Computer Science and Engineering. Passionate about developing meaningful insights from data. Experience in working with large datasets using Python, R and Microsoft Power BI. Skilled in gathering, manipulating and analyzing data to develop client-centric solutions. Familiarity with machine learning modeling.

EDUCATION

Rutgers University, New Brunswick, NJ

Master of Science in Data Science, GPA 3.58/4.00   *E 5/2023*

Relevant Coursework:

Data Wrangling and Husbandry, Database, Data Mining, Natural Language Processing, Probability and Inference for Data Science, Regression and Time Series for Data Science, Introduction to Data Structures and Algorithms, Data Visualization, Statistical Learning for Data Science, Python, Big Data Analytics, Mathematics for Data Science.

Manipal University Jaipur, Jaipur, India

Bachelor of Technology in Computer Science and Engineering, CGPA 9.01/10.00   *7/2021*

PROFESSIONAL EXPERIENCE

CS Energy, Edison

Data Analyst Intern   *6/2022-Present*

- Assist executives, departments of finance, supply chain, operations and HR by creating dashboards in Microsoft Power BI for their daily usage.
- Work on Power Query as an Extract, Transform and Load (ETL) Tool to manipulate the data.
- Use of Python to write scripts to automate tasks for streamlined data processing and analysis.

Accenture India

Application Development Associate   *5/2021-7/2021*

- Completed the pre-learning courses including relational database management system (RDBMS), structured query language (SQL) during on boarding process.

Inventgrid Technologies India Pvt. Ltd.

Software Developer Intern   *1/2021-5/2021*

- Created Proof of Concepts (POC's) as per the requirements of clients using Java, MVC, SpringBoot, Maven.
- Worked with front-end team to make front-end website changes using HTML, CSS, Bootstrap.

RESEARCH PROJECTS

"CELENA"-YouTube Comment Classification & Sentiment Analysis   *3/2022-5/2022*

- Created an application to categorize public comments into positive, negative and neutral for YouTube video link. Furthermore the application assisted in finding relevant topic based on comments prior to watching the video.
- Accessed YouTube via API call from R using the "tuber" package. Applied Latent Dirichlet Allocation (LDA) approach for topic modeling in R.
- Link : ["CELENA"-Youtube Sentiment Analysis](#)

Absenteeism at Work   *2/2022-5/2022*

- Classified an employee's time out of work with the help of significant parameters from the data set.
- Used feature selection processes to find the significant attributes and applied classification models to get results.
- Used hyper parameter tuning with randomized search and grid search cross validation to compare the results.
- Link : [Absenteeism at Work](#)

Chance of Admission Predictor   *7/2020-9/2020*

- Created a web application that predicts percentage of students admitted to an elite university (UCLA Dataset) for a graduate program.
- Worked on EDA and predictive modeling of the data using Python. Developed web application using Streamlit.
- Link : [Chance of Admission Predictor - Heroku](#)

TECHNICAL AND OTHER SKILLS

Core Domain Expertise: Data Analysis, Data Visualization, Microsoft Power BI, Tableau, Python, R, SQL, Machine Learning Modeling, Natural Language Processing, Microsoft Excel.

Libraries/Frameworks: pandas, numpy, scikit-learn, nltk, streamlit, tuber, tidy, dplyr, shiny.

Languages: English, Hindi, Gujarati

HONORS AND ACTIVITIES

Google Data Analytics Professional Certificate: [Google Data Analytics Professional Badge](#)   *2/2022*

Tableau Desktop Specialist Certified: [Tableau Desktop Specialist Certified Badge](#)   *2/2021*

Front-End Web Development *(TA):*   *8/2019-5/2020*

- Part of ACM Student Chapter as a Teaching Assistant for front-end Web Development.