JAINI BHAVSAR

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EDUCATION

New Jersey Institute of Technology — Newark, NJ
Master of Science - Data Science — Expected May 2023
Relevant Coursework: Machine Learning, Applied Statistics, Data Management, Big Data, Data Analytics with R, Data Mining

Gujarat Technological University — Gujarat, India
Bachelor of Engineering - Electronics and Communication — Jun 2014 - May 2018
Relevant Coursework: Computer Programming, Calculus, Linear Algebra, Data Communication, Internet and Protocols

PROJECTS

[Predicting Solar Flares with Machine Learning](#) — Jan 2022 - Present
- Collaborated with a team of six to implement ML models to predict Solar flares for understanding and forecasting space weather, based on HMI's (one of the instruments on NASA's Solar Dynamics Observatory) data products.
- Employed several machine learning algorithms to tackle this multi-class prediction problem and provides an application programming interface (API) for remote programming users.

[Data Cleaning/Data Exploration in SQL](#) — Dec 2021 - Jan 2022
- Incorporated large amounts of data of raw housing and COVID-19, transformed the data in SQL Server to make more usable for analysis, and extracted meaningful conclusions. Also, visualized COVID-19 data using Tableau Dashboard.
- Implemented complex queries and improved result's loading time by 20%.

[Titanic - Machine Learning from Disaster, Kaggle Competition](#) — Oct 2021 - Nov 2021
- Developed and executed supervised learning algorithms that predict the survival, or the death of a given passenger based on a set of variables.
- Achieved 81% accuracy using XGBoost advanced model. Also, visualized Feature Importance and Area Under Curve.

[House Prices - Advanced Regression Techniques, Kaggle Competition](#) — Oct 2021 - Nov 2021
- Coded 3 different regression models in python to predict sales prices of the house and practiced feature engineering.
- Predicted sales price to within 2% by applying regression models.

WORK EXPERIENCE

Etech Global Services — Gujarat, India
Business Analyst — Aug 2020 - Jul 2021
- Configured the feedback platform for the customers to capture feedback across different channels. Created a reporting platform for the analysis of the acquired data to make business use of, which improved client performance by 24%.
- Functioned with clients in resolving technical inquiries and provide support when analyzing approximately 1TB of data.

Accenture Services Private Limited — Maharashtra, India
Associate Software Engineer — Jul 2018 - Feb 2020
- Performed content migration using Automated PowerShell scripts, designed and developed custom applications built in C# .NET and SharePoint which decreases manual work by 80%.

SKILLS

Programming Languages: Python, R, C, C++, HTML, CSS
Others: Machine Learning, Django, Tableau, SQL, Applied Statistics, Agile Methodology, Graphic Design

LEADERSHIP

- Vice President for Graduate Women in Computing Society (GWICS)
- Teaching Assistant at New Jersey Institute of Technology
- Member of Samaitshala Foundation (NGO) and Corporate Social Responsibility (CSR)
- Central Coordinator at National level LAKSHYA FEST 2017
- Lead Volunteer of National Service Scheme (NSS)