Vishwesh Srinivasan

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EDUCATION

Tufts University, Medford, MA - *Master of Science in Data Analytics, GPA: 4.0/4.0, Graduation: 05/24*   2022 – 2024
National Institute of Technology Warangal, India - *B.Tech in Mechanical Engineering, GPA: 8.16/10.00*   2016 – 2020

TECHNICAL SKILLS

Programming Languages: Python, R, SQL, MATLAB, HTML, CSS, Visual Basic for Applications (VBA), C++, COBOL
Software/Tools: Elasticsearch, Kibana, Tableau, PostgreSQL, PyTorch, R Shiny, Git, Jira, GIS, Excel, PowerPoint

PROJECTS

Gentrification Study of New York and Los Angeles Metropolitan areas   Oct 2022 – Dec 2022
DATA200, Fall 2022, Tufts University
- Used the **Neighborhood Change Database** and implemented a classification algorithm to predict the likelihood of a census tract getting gentrified between 2000 and 2010.
- Utilized **SMOTE techniques** to handle imbalanced training data and achieve better F-1 score on the classification task.

WORK EXPERIENCE

Data Analytics Department, Tufts University   Jan 2023 – Present
Research Assistant, Supervisor: Prof. Marie-Claire Beaulieu
- Making **D'Arcy Thompson's Glossary of Greek Birds** accessible to the general audience with the use of **formal concept analysis** and **natural language processing** techniques.

Citicorp Services India Private Limited (Citigroup), India   Aug 2020 – Jul 2022
Tech Program Application Developer - 1, Personal Banking and Wealth Management Technology (Core Banking)
- Developed and maintained back-end systems used for processing loans with the main focus on **designing** and **developing** the **monthly statements of personal loans** originating from Citibank's US markets.
- Developed an end-to-end Automated Dashboard Generation system to **transform** maintenance **text reports** generated daily from the mainframe to **Interactive Dashboards** using VBA.

Language Technologies Research Center, IIIT Hyderabad, India   May 2019 – Jul 2019
Research Intern, MT-NLP Lab, Supervisor: Prof. Dipti Misra Sharma
- Worked on the **Sentence Simplification** task. Conducted an extensive **literature review**, implemented the **state-of-the-art algorithm** using the WikiSplit dataset, and performed **error analysis**.
- Implemented a **Seq2Seq model** with a reward function using **Python**, which helped to **reduce** the **model's validation perplexity** by **16%.**

Reliance Jio Infocomm Limited, India   May 2018 – Jul 2018
Machine Learning Intern, Jio Coverage Platform, Data Science Team
- Worked on enhancing the **user experience** of an internal platform, **Foresight**, which is used to **monitor** and **fix network coverage issues**.
- Optimized the platform's search engine and built a **recommendation system** using **NLP algorithms**, which recommends solutions for the searched query. The project was developed using **R programming** and **R Shiny**.

SPI Cinemas Private Limited, India   Nov 2017 – Dec 2017
Data Science Intern, Human Resources Team
- Analyzed the **data of the frontline staff** leaving the organization in short periods using **Kibana (visualization tool)** and **statistical methods** to find common characteristics among them.
- Implemented a **classification model (achieved 87% accuracy)** using Python to predict the likelihood of an employee leaving within the first three months of joining.

ACADEMIC ACHIEVEMENTS

Recipient of a $16,260 scholarship from Tufts University in the year 2022-23 for my past academic and professional excellence.
Recipient of a merit scholarship from NIT Warangal in 2018 for being in the top 10 among the 140 students of the department.

EXTRA-CURRICULARS

Mechanical Engineering Association, *Executive Member*   Sep 2017 – Apr 2018
SpringSpree'18, Cultural Fest, NIT Warangal, *Event Manager*   Feb 2018 – Mar 2018
Technozion'17, Technical Fest, NIT Warangal, *Member of Event Coordination Team*   Oct 2017 – Oct 2017