

Vishwesh Srinivasan

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EDUCATION

Tufts University, MA, USA - *Master of Science in Data Analytics, GPA: 3.94/4.00* Sep 2022 - May 2024
National Institute of Technology Warangal, India - *B.Tech in Mechanical Engineering, GPA: 8.16/10.00* Aug 2016 - Aug 2020

TECHNICAL SKILLS

Programming Languages: Python, R, SQL, MATLAB, HTML, CSS, Visual Basic for Applications (VBA), C++, COBOL

Tools: Tableau, Elasticsearch, Kibana, ArcGIS, R Shiny, Kepler.gl, Git, Jira, Excel, PowerPoint

Libraries: NumPy, Pandas, Matplotlib, Scikit-Learn, GeoPandas, PySAL, PyTorch, Tensorflow, ggplot2

EXPERIENCE

JPMorgan Chase & Co., Wilmington, DE, USA Jun 2023 - Sep 2023

AI & Data Science Summer Associate, Consumer & Community Banking, Risk Modeling Team

- Developing **explainable machine learning models** to manage risk in small business banking better.

Data Analytics Department, Tufts University, MA, USA Jan 2023 - Apr 2023

Research Assistant, Supervisor: Prof. Marie-Claire Beaulieu

- Contributed to the process of making **D'Arcy Thompson's Glossary of Greek Birds** accessible to the general audience with the use of **automated tagging** 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 back-end systems used for processing loans, focusing on **designing** 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

- Implemented a **Seq2Seq model** with a reward function using **Python** for the task of **sentence simplification**, which helped reduce the model's validation perplexity by 16% compared to the state-of-the-art model.

Reliance Jio Infocomm Limited, India May 2018 - Jul 2018

Machine Learning Intern, Jio Coverage Platform, Data Science Team

- Improved the **user experience** of an internal platform, **Foresight**, which is used to **monitor** and **fix network coverage issues**. Improvements included the building of a recommendation system with the use of **NLP algorithms**.

SPI Cinemas Private Limited, India Nov 2017 - Dec 2017

Data Science Intern, Human Resources Team

- Analyzed the data of the frontline staff and implemented a **classification model (with 87% accuracy)** using Python to predict the likelihood of an employee leaving within the first three months of joining.

COURSEWORK PROJECTS

Measuring the exposure to air pollution in Greater Boston Region and its relation to walkability Jan 2023 - May 2023

- Visualized the exposure to air pollution and walkability in the Greater Boston Region, implemented spatial regression models to study the relationship between these two variables, and found a positive correlation between them.

Database system to manage the payroll process of the employees employed at Tufts Dining Jan 2023 - May 2023

- Designed a database system and developed a user guide to manage the database. The user guide contains queries to add data and the most frequent scenarios for updating, deleting, and viewing the data in different forms.

Gentrification Study of New York and Los Angeles Metropolitan areas Oct 2022 - Dec 2022

- Implemented classification algorithms with **SMOTE techniques** (to handle imbalance data) to predict the likelihood of a census tract getting gentrified between 2000 and 2010 using the **Neighborhood Change Database**.

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.