

VISHWESH SRINIVASAN

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EDUCATION

Tufts University

Master of Science in Data Analytics | GPA: 3.96

Coursework: Machine Learning, Big Data, Data Science for Urban Sustainability, Database Design & SQL, Adv. Statistics I & II

Teaching Assistant: Foundation of Data Analytics (DATA200) & Introduction to Data Analytics (DATA100)

National Institute of Technology Warangal

Bachelor of Technology in Mechanical Engineering

Medford, MA, USA

Sep 2022 – May 2024

Warangal, India

Aug 2016 – Aug 2020

EXPERIENCE

Paragon Corporation

Data Analyst

Boston, MA, USA

Jan 2024 – May 2024; Jan 2025 - Present

- Increasing the efficiency of clients' payroll systems by streamlining the maintenance of their PostgreSQL databases.

Success Academy Charter Schools

Data Analyst

New York, NY, USA

July 2024 – Jan 2025

- Reduced feedback turnaround time by 85%, enabling quicker teaching adjustments and enhancing student outcomes by streamlining academic data management and delivering daily assessment reports in Google Sheets to leadership.

Data Intensive Studies Center, Tufts University

Research Intern ([Poster](#))

Medford, MA, USA

Jan 2024 – May 2024

- Developed a novel approach to detect rare tumor cell clusters in blood by training a random forest classifier using a correlation-based feature-engineered light scattering data (Accuracy, Precision, TPR, TNR: ~90%).

JPMorgan Chase & Co.

Data Science Intern, Credit Risk Modeling

Wilmington, DE, USA

Jun 2023 – Sep 2023

- Reduced the documentation and approval time for small business customers (below \$250k exposure) by 30% (est.) by reducing required data points to only the primary guarantor's indicators, thereby improving customer experience.
- Formulated the above strategy by building and analyzing the performance of two XGBoost classifiers on various data segments using PySpark on AWS, with and without additional guarantor indicators.

Data Analytics Department, Tufts University

Graduate Research Assistant ([Website](#))

Medford, MA, USA

Jan 2023 – Apr 2023

- Automated 80% of the named entity tagging process of D'Arcy Thompson's Glossary of Greek Birds book (second edition) to make it accessible to the general audience using XML text processing and NLP techniques.

Citigroup

Software Developer, Personal Banking & Wealth Management Technology

Chennai, India

Aug 2020 – Jul 2022

- Increased the efficiency of personal loan processing by simplifying the workflows in the core banking systems.
- Eliminated the manual processing of reports with an automated system to convert them to dashboards using VBA.

Language Technologies Research Center, IIIT Hyderabad

Research Intern ([Repository](#))

Hyderabad, India

May 2019 – July 2019

- Reduced the perplexity by 16% compared to the SOTA sentence simplification model by training a Seq2Seq model using the WIKISPLIT dataset with reward (BLEU score) augmented maximum likelihood objective function.

Reliance Jio Infocomm Limited

Data Science Intern

Mumbai, India

May 2018 – July 2018

- Improved the search efficiency of an internal platform used for resolving network coverage issues by building related search (NCD algorithm), auto-complete (N-Grams), and recommendation (TF-IDF & cosine similarity) features.

SPI Cinemas Private Limited

Data Science Intern

Chennai, India

Nov 2017 – Dec 2017

- Reduced the turnover rate by 30% (est.) by pioneering a data-driven hiring strategy and developing a random forest classifier (87% accuracy) to predict the likelihood of frontline staff leaving within the first three months.

TECHNICAL SKILLS

Competencies: Linear & Logistic Regression, Tree-Based Methods, Ensemble Learning, Neural Networks, CNNs, Text Processing, Word Embedding, LSTM, Hypothesis Testing, SHAP, Partial Dependence Plots

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

Tools: GCP, AWS, Tableau, NumPy, Pandas, Matplotlib, Sklearn, PySpark, PyTorch, TensorFlow, ggplot2, R Shiny, Linux, Git