

AMAAN VORA

New Brunswick, NJ | +1 (732) 640 3024 | amaanvora@gmail.com
[linkedin.com/in/amaan-vora](https://www.linkedin.com/in/amaan-vora) | github.com/deadven7 | amaan-vora.com

EDUCATION [\[amaan-vora.com/education\]](https://amaan-vora.com/education)

RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY

Masters of Science, Statistics (Data Science) | Cumulative GPA: 3.5/4.0

New Brunswick, NJ
Expected May 2024

Relevant Coursework: Data Mining (Machine Learning), Statistical Modeling and Computing, Data Wrangling, Regression and Time Series Analysis, Statistical Software (NLP), Statistical Learning (Neural Networks)

SRM INSTITUTE OF SCIENCE AND TECHNOLOGY

Bachelor of Technology, Computer Science and Engineering | Cumulative GPA: 9.2 / 10.0

Chennai, TN, India
July 2018 - May 2022

Relevant Coursework: Data Structures and Algorithms, Calculus, Programming Languages, Neuro-Fuzzy and Genetic Programming, Database Management Systems, Artificial Intelligence, Computational Logic, Advanced Programming Practices

SKILLS [\[amaan-vora.com/portfolio\]](https://amaan-vora.com/portfolio)

Technical Skills: NumPy, Pandas, Matplotlib, Plotly, Seaborn, Scikit-learn, Linear Regression, Logistic Regression, Kernel SVM Classification, Decision Trees, Random Forests, K-Means Clustering, Neural Networks, Transformers, Natural Language Processing, TensorFlow, PyTorch, Keras, ggplot2, dplyr, tidyverse

Programming Languages: Python, R, SQL, C/C++, Java, HTML/CSS

Tools & Frameworks: AWS, Docker, Kubernetes, DynamoDB, MySQL, PostgreSQL, SQLite, Tableau, Hadoop, PowerBI, Spark, BigQuery, Git

Certifications & Training: Google Data Analytics Professional Certificate (Google Data Analytics), Introduction to Deep Learning (Nvidia DLI), Machine Learning Fundamentals (University of Washington), MLOps Specialization (DeepLearning.AI)

EXPERIENCE [\[amaan-vora.com/experience\]](https://amaan-vora.com/experience)

THE DAILY TARGUM

Lead Front-End Developer

New Brunswick, NJ
August 2023 – present

- Led the front-end development of a new AWS cloud computing – backed website with targeted ads, reduced cost of maintenance by 50%, enhanced user-friendliness, and amplified web traffic by approximately 50%
- Reduced monthly costs by 25% through streamlined AWS (EC2, S3), DynamoDB deployment and optimized the deployment of the website's frontend while decluttering the existing code and strengthened readability

RUTGERS UNIVERSITY (Statistics Department Research)

Graduate Research Assistant

New Brunswick, NJ
January 2023 – July 2023

- Improved data efficiency and algorithm output by 15%, with a high accuracy of 0.93 for the Random Forest Algorithm, and a subsequent conversion of the algorithm to demonstrable Stata functions
- Enhanced Two-Stage Curvature Identification using a Hat Matrix as part of better tuning Random Forest Algorithms and aimed for a better understanding of Causal Inference Techniques as part of ongoing research

SIEMENS LIMITED (Global Division)

Global Business Services Intern (Machine Learning Team)

Pune, MH, India
June 2021 – August 2021

- Developed a BashRC Automation System for handling 5000+ driver files, supporting over 30 extensions
- Facilitated the development of a SentenceBERT model with hyperparameter tuning to build comprehensive clusters for 100,000+ consumer comments on sentiment, elevating targeted and strategic decision-making
- Proposed, as part of a global team, to improve accuracy to 0.89 using advanced BERT network structures

KAISER EXPORTS

Fullstack Web Developer / Analyst

Mumbai, MH, India
June 2020 – December 2020

- Curated websites for packaging and pharmaceuticals, led to 30% increase in sales via more online visibility
- Implemented targeted ads through inventory analysis and data management, increased web traffic by 47%

RESEARCH [\[International Research Conference on IoT, Cloud and Data Science\]](https://international-research-conference-on-iot-cloud-and-data-science.com)

COMPUTATIONAL LINGUISTICS APPROACH TO CLUSTERING SCIENTIFIC RESEARCH

May 2022

- Clustered scientific corpora via K-Means, BERT, SentenceBERT and RoBERTa into broad and niche fields
- Resulted in an accuracy of 0.89 along with volume increments via feature engineering and hyper-parameter tuning

PROJECTS [\[amaan-vora.com/projects\]](https://amaan-vora.com/projects)

SOLVING LA GHIGLIOTTINA VIA NATURAL LANGUAGE PROCESSING AND DEEP LEARNING

December 2023

- Extracted nouns from over 300,000 entries collated from 7 datasets, generated and analyzed relations among them via WordNet and Skip-Gram Classification to provide a target word/phrase that relates to a select number of clues
- Implemented BART, T5, RNN with LSTM for different use cases, to produce outputs with an average 0.04 loss

PRIVACY PRESERVING IMAGE PROCESSING FOR FACE RECOGNITION NEURAL NETWORKS

December 2023

- Designed a CNN for face recognition, achieving accuracy of 0.87 for 100,000 faces, with an SGD to reduce loss
- Incorporated homomorphic encryption and differential privacy, boosted accuracy to 0.91 through Adam optimization