

Mayank Khanna

Data Scientist

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EDUCATION

Stevens Institute of Technology, Hoboken, NJ

Expected May 2023

Master of Science in Computer Science with a focus on Data Science

GPA: 4.0

- **Honors:** Graduate Scholarship of 10,000\$ for exemplary academic performance.

Manipal Institute of Technology, Manipal, Karnataka/India

May 2018

Bachelor of Technology in Electrical and Electronics Engineering.

SKILLS

- **Technical Skills:** Python, Numpy, Java, Pandas, Git version control, SQL, AWS, GCP, Tensorflow, OpenCV, Keras, R, SAS, Selenium, MATLAB, cloud technologies, Scikit-learn, Excel, process automation
- **ML Models:** Supervised/Unsupervised learning, Linear Regression, K Nearest Neighbors, Naive Bayes, Logistic Regression, SVM, Decision Tree, Random Forest, Ensemble Models, clustering, Neural Networks
- **Statistical Techniques:** Probability Distributions, Confidence Intervals, Hypothesis Testing, A/B testing, Time Series analysis, Imputation techniques, Sampling Techniques

EXPERIENCE

Graduate Teaching Assistant

December 2021 - Present

Stevens Institute of Technology

- Tutor, grade, and design assignments for a class of 60 students
- Organize recitation sessions for concept presentations and hold office hours to clarify concepts
- Assist students with projects related to data, business, and statistical analysis

Natural Language Processing Engineer - Intern

July 2020 - October 2020

SKS Enterprises

- Analyzed, procured and extracted unstructured raw text data from resumes using python libraries
- Built and deployed Named Entity Recognition (NER) models utilizing spaCy and other NLP libraries
- Retrieved entities generated from trained models to match profiles with prospective recruiters

Quantitative Trader

April 2019 - June 2020

Cryptex Capital

- Designed and developed trading software using best practices from object-oriented programming
- Created classification and regression Machine Learning models and techniques for trading in real time
- Managed a team of 5 interns to achieve daily and weekly development goals
- Improved team performance and communication through continuous feedback and collaboration

ACADEMIC PROJECTS

Intent Classification

December 2021

- Utilized methods such as BOW, TF-IDF and TF-IDF weighted W2V to classify structured text data
- Improved accuracy of classification from 0.91 to 0.96 by training a GAN-BERT model
- Won best project award after presenting work to a class of 100+ students

Google Customer Revenue Prediction

December 2020

- Performed exploratory data analysis and investigations on structured data of G-Store customers
- Gathered insights for expenditure patterns to forecast revenue generated by a returning customer
- Designed and tested models by utilizing techniques exponential smoothing and box-cox transform
- Transformed and added features to dataset for predictions of returning customer revenue
- Achieved a top 10 percent placement in challenge by attaining an RMSE score of 0.96

Web Scraper for Stock Data

January 2020

- Built an automated web scraping module using Selenium and Python for extracting stock data
- Tested and debugged module for backtesting purposes using software engineering principles
- Documented technical requirements for team and various stakeholders