

Ankit Sati

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Education

New York University, Courant Institute of Mathematical Sciences

New York, NY

Master of Science in Computer Science [GPA: 3.92/4.00]

Sept 2021 – June 2023

Relevant coursework: Operating Systems, Programming languages, Predictive Analysis, Machine Learning and Cloud Computing, Data Science and Deep Learning, Advanced Database Systems.

Guru Gobind Singh Indraprastha University

New Delhi, India

Bachelor of Technology in Computer Science [GPA: 3.6/4.00]

May 2013 - May 2017

EXPERIENCE

The Triana Group

Brooklyn, NY

Software Engineer

July 2023 - Present

- Conducted targeted analysis to identify optimal candidates, developing a backend database for ongoing tracking and assessment. Automated data collection and integrated with HubSpot for efficient candidate management.
- Implemented automated system for candidate applications, utilizing company website and backend NoSQL database for efficient data storage and retrieval.
- Created datasets, trained the machine learning models with high accuracy, and set up APIs for interaction with multiple platforms.

Hewlett Packard Enterprise

Bengaluru, India

Software Engineer II

Oct 2017- Aug 2021

- Developed high-performance APIs for network serialization of Python objects such as POX for user-defined scenarios. The custom-built solutions helped in automatic log collection, predicting failures and preventing outage scenarios.
- Enhanced software reliability and reduced time-to-market by streamlining the QA process through the adoption of CI/CD pipelines, providing developers with actionable insights for rapid identification and mitigation of performance bottlenecks.
- Member of Cloud Transition Team, responsible for migrating **Low Latency systems**(~40,000 lines of code) on HPE Green Lake.
- Effectively implemented and communicated daily workflow with Cisco and Brocade teams to increase network availability.
- Ensured 99% SLA while working on Disaster Recovery infrastructure in outage scenarios and reduced the downtime by 60%.
- Introduced multi-processing in the Python Unit test resulting in a nX performance improvement for running distributed tests.

INTERNSHIPS AND PROJECTS

New York Public Library (NYPL) - ([Link](#))

New York, NY

Data Science Industry Capstone (Python, Pytorch, Keras, Numpy, Pandas)

Summer 2022

- Engineered a VGG and MaskRCNN model with bootstrapping methods, for image captioning of large NYPL archives achieving a BLEU score of 0.6. and better accessibility of archives containing Maps, Artwork, Writings etc.
- Part of Data collection, preparation, and model training phases of the project with the initial data set of 80 Gb.
- Facilitate the deployment and evaluation of machine learning models on NYU's HPC in a team of two, resulting in faster development iterations and enabling non-technical stakeholders to test and evaluate models.
- Collaborated with the operations engineer and containerized the project using docker increasing the scalability and resource efficiency on the HPC nodes.

Amazon Price Predictor – ([Link](#))

NYU Courant

Data Science Capstone Project (Tech used – Python, pandas, HPC Greene)

Spring 2022

- Ingested a 6 month data set to predict two target variables, best_time and best_price of any product with an accuracy of 63%.
- Due to the uniqueness of the data set, implemented weighted feature reduction before training with Linear regression and KNN.
- Resolved the over fitting issue of key adjusted features (warehouse data) and outliers increasing the efficiency by 12 %.

CERTIFICATIONS AND AWARDS

- [Google Data Analytics.](#)
- [IBM Data Science.](#)
- Financial markets and Futures by Yale University (Honors), Deep Learning by MIT
- Scored 98.64 and secured first position at NYU- DevOps summit and later represented NYU in Kaggle workshop.

TECHNICAL SKILLS

Languages

Python, [C++](#).

Operating Systems and DB

Linux, Shell, MySQL, PostgreSQL and Big Query

Tools and Frameworks

AWS, IBM Watson Studio, Micro-services, Dash, and Docker

Libraries

NumPy, Pandas, TensorFlow, Scikit-Learn, Keras, PyTorch, and beautiful Soup.