

ISHA SLAVIN



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Glen Rock, NJ 07452

PROFESSIONAL SUMMARY

Accomplished Data Scientist with a proven track record at McGraw Hill Education, mastering Python and Machine Learning to enhance predictive analytics and student performance evaluation. Excelled in cross-functional collaboration, leveraging statistical analysis and SQL databases for impactful business solutions. Demonstrated expertise in transforming complex data into actionable insights through innovative AI technologies.

SKILLS

Machine Learning

Python Programming

SQL Databases

Statistical Analysis

EXPERIENCE

DATA SCIENTIST, New York City

McGraw Hill Education, July 2022–Present

- Implement state-of-the-art NLP methods such as chain-of-thought prompting and parameter-efficient fine-tuning (PEFT LoRA, soft prompting) to solve business solutions through prompting and training Generative AI models cost-effectively
- Fine-tune and deploy transformers for custom tasks using HuggingFace estimators & AWS services such as SageMaker, S3
- Build, train, tune, and evaluate proprietary ML models to estimate student knowledge & predict future performance
- Develop a feed-forward neural network from scratch & train it on linguistic features to classify text as AI or human generated
- Bridge the gap between data scientists, data engineers, and SREs through communication & collaboration.

DATA SCIENCE INTERN, New York City

McGraw Hill Education, January 2021–Present

- Utilize object-oriented programming in Python to design and implement tools to analyze time-series historical student data
- Investigate & analyze millions of records of digital-platform student data in PostgreSQL databases & Databricks Delta Lake.

RESEARCH ASSISTANT, Los Angeles

UCLA Department of Computational & Applied Mathematics, June 2021–Present

- Modify zeroth order state-of-the-art optimization algorithms to transform into Comparison - Based algorithms using Python
- Benchmark algorithms against publicly available functions and tune algorithm hyperparameters through rigorous testing

- Employ Python tools such as SciPy, Numpy, Pandas, etc
- To implement optimization algorithms and generate test functions.

EDUCATION

M.S. DATA SCIENCE

New York University, Expected graduation May 2025

COMPLETED COURSEWORK TOWARDS MATHEMATICS

University of California, Los Angeles, June 2022