

Nicholas S. Mustrat

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EDUCATION

New Jersey Institute of Technology

B.S. Computer Science - GPA 3.5

Newark, NJ

December 2025

RELEVANT COURSEWORK

Data Science, Database Management, Programming Language Concepts, Data Structures and Algorithms, Probability and Statistics, Generative AI, Computer Systems, Linux Programming, Internet Applications, Computer Networks, Operating Systems

PROJECTS

MNIST Classification Model | *TensorFlow, Keras, Python, Numpy, Matplotlib*

2024

- Built and trained an artificial neural network (ANN) to classify images from the Fashion MNIST dataset.
- Ran model training for multiple epochs, demonstrating classifier performance with visual predictions.
- Analyzed model performance using evaluation metrics such as accuracy and loss, providing insights into the ANN's effectiveness.

Data Science Top Grossing Films | *Scikit-learn, Python, Numpy, Pandas, Matplotlib*

2024

- Trained a Scikit-learn model on top grossing films with data scraped from sites such as IMDB and Rotten Tomatoes.
- Utilized Numpy and Pandas to extract, manipulate, and refine CSV data facilitating informed insights.
- Visualized findings through Matplotlib, highlighting patterns and trends.

Web-scraper for Most Active Stocks on NYSE | *Python, MongoDB, PHP, HTML*

2024

- Developed a Python program to periodically scrape stock data from Yahoo Finance, storing it in MongoDB for efficient retrieval and analysis.
- Created a dynamic web page using PHP to display stock data, enabling users to interactively sort and view financial information.
- Automated data updates for continuous monitoring and deployed the application on a web server for live usage.

EXPERIENCE

Partner

Starbucks

2022 – Present

Wayne, NJ

- Delivered exceptional customer service, demonstrating strong communication and teamwork skills, essential for effective collaboration in diverse environments.
- Adapted quickly to new procedures and technology, showcasing a capacity for fast learning.
- Maintained and operated equipment with attention to detail, emphasizing quality standards and precision.

Shift Manager

The Fine Grind

2017 – 2022

Little Falls, NJ

- Managed operations including sales deposits, inventory management, and staff schedules, showcasing organizational, multitasking, and leadership skills.
- Utilized point-of-sale (POS) systems to process transactions, demonstrating technological proficiency and attention to detail.
- Applied problem-solving skills to address customer concerns, fostering positive customer rapport.

TECHNICAL SKILLS

Languages: Python, C, C++, Java, SQL, PHP, JavaScript, HTML/CSS, Bash

Developer Tools: MongoDB, XAMPP, Oracle, Git, Google Cloud Platform, Google Colab, Visual Studio, Ubuntu

Soft Skills: Communication, Versatility, Collaboration, Leadership