

Maya Thompson

mayathompson.dev | maya.thompson@example.com | (646) 321-9870 | github.com/mayathompson | linkedin.com/in/mayathompson

EDUCATION

New York University

Aug. 2019 – May 2023

Bachelor of Science in Data Science

New York, NY

- **Relevant Coursework:** Big Data Analytics, Machine Learning, Data Visualization, Natural Language Processing
- **GPA:** 3.92/4.00
- **Activities:** NYU Data Science Society (President), Women in AI, HackNYU Organizer

EXPERIENCE

Data Science Intern

Jun. 2022 – Aug. 2022

Spotify

New York, NY

- Analyzed user listening patterns using Python and SQL, providing recommendations to increase engagement by **20%**.
- Developed machine learning models to predict user churn, achieving **85% accuracy**.
- Created dashboards with Tableau to visualize insights for **10M+ active users**.
- Collaborated with product teams to integrate data-driven insights into new feature designs.

Undergraduate Research Assistant

Jan. 2022 – May 2022

NYU Center for Data Science

New York, NY

- Contributed to a project analyzing the impact of misinformation on social media platforms.
- Utilized NLP techniques to process and classify **1M+ tweets**, achieving **90% accuracy**.
- Published research findings in the **Journal of Data and Society**.
- Presented findings at the NYU Data Science Symposium, earning **Best Presentation Award**.

PROJECTS

EconoPredict: Financial Forecasting Tool

Python, TensorFlow, Flask

Mar. 2023 – Apr. 2023

- Developed a tool to predict stock prices using time series data and deep learning models.
- Implemented LSTM networks in TensorFlow, achieving **95% accuracy** on historical data.
- Created a Flask-based web interface for users to interact with forecasts.
- Deployed the application on AWS, ensuring scalability and reliability.

SentimentAnalyzer: Social Media Sentiment Analysis

Python, scikit-learn, Flask

Jan. 2023 – Feb. 2023

- Built a sentiment analysis tool for tweets using NLP and machine learning techniques.
- Trained classifiers with **93% accuracy** on a dataset of **500,000+ labeled tweets**.
- Deployed the tool as a Flask-based web application for real-time analysis.
- Generated insights to assist brands in understanding public perception.

CrimeMap: Interactive Visualization Tool

JavaScript, D3.js, MongoDB

Oct. 2022 – Dec. 2022

- Designed an interactive map to visualize crime statistics across New York City neighborhoods.
- Integrated MongoDB to store and retrieve crime data spanning **10 years**.
- Utilized D3.js to create dynamic and responsive visualizations for end-users.
- Presented the project to city officials, earning positive feedback for usability and design.

TECHNICAL SKILLS

Languages: Python, JavaScript, SQL, R

Frameworks: Flask, TensorFlow, scikit-learn, D3.js

Tools: MongoDB, Tableau, AWS, Git

Technologies: NLP, Machine Learning, Data Visualization, Time Series Analysis