

Sameer Mallik

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Education

Northeastern University | Boston, MA May 2028

Candidate for a Bachelor of Science in Computer Science

Relevant Coursework: Object Oriented Design, Artificial Intelligence, Theory of Computation, Computer Systems, Algorithms & Data

Honors: 3.45/4.0 GPA | Dean's List

Project Experience

NFL Quarterback Regression Model & Data Visualization October – December 2025

Developer | Python, NumPy, Pandas, Matplotlib, Seaborn, Plotly | [GitHub](#)

- Collected, cleaned, and structured NFL quarterback data (1940s–2024) using Pandas
- Implemented a logistic regression classifier from scratch in NumPy (gradient descent, sigmoid, cross-entropy loss), achieving ~99% classification accuracy when predicting regular-season outcomes
- Engineered features from temporal data to capture performance signals across NFL eras
- Led data collection and modeling efforts in a 3-person team, coordinating development and analysis through discussion and code review
- Created 2D and interactive visualizations (Matplotlib, Seaborn, Plotly) to analyze long-term quarterback performance trends
- Evaluated model performance using validation data and iteratively refined features to improve predictive reliability

Web-Based Stock Analysis Platform & Data Visualization September – December 2025

Developer | HTML, CSS, JavaScript, React | [Live Site](#)

- Designed and developed a platform to analyze financial time-series data and support data-driven decision making
- Implemented data processing and transformation logic to compute key performance metrics for asset evaluation
- Built dynamic queries and data pipelines to retrieve, filter, and analyze stock market data
- Analyzed trends and patterns in historical financial data to generate insights for investment decisions
- Integrated frontend components to present analysis results and enable interactive data exploration

Work Experience/Extracurricular Activities

FoodAffair Bistro | Bettendorf, IA June 2021 – January 2023

Busser & Host

- Supported front-of-house operations in a fast-paced and highly-regarded restaurant environment by maintaining cleanliness, table readiness, and overall organization
- Effectively communicated with other staff to coordinate customer needs and improve efficiency
- Developed strong time-management and teamwork skills while consistently maintaining cleanliness standards under pressure

YMCA Quad Cities & Rivermont Collegiate Rowing | Quad Cities, IA/IL September 2016 – June 2024

Rowing (Scull)

- Trained multiple days a week in a competitive rowing program through structured practices and regattas
- Balanced early-morning training with academic and social responsibilities while contributing to multiple top three performances at regional regattas

Technical Skills & Interests

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

Tools: IntelliJ IDEA, Visual Studio Code, Excel, Git, GitHub, Jupyter Notebook

System: Windows, Linux

Interests: 3D Modeling, Cooking, Keyboard Building, Formula 1, NFL