Faddi Azzam Dabain

Ossining, NY | (914)689-6900 | fdabain01@manhattan.edu | Linkedin | Github

EDUCATION

Manhattan College   **Riverdale, NY**

Bachelor of Science in Computer Science   *Graduation Date: May 2024*

Manhattan College   **Riverdale, NY**

Master of Science in Computer Science   *Graduation Date: May 2025*

PROJECT EXPERIENCE

MCGardens   **Spring 2024**

JavaScript, Firebase, OpenAIAPI, UnsplashAPI, Nodemailer

- Developed a comprehensive web application facilitating user interaction with dynamic content on plants, weather, and events using Agile Methodology.
- Implemented user authentication and data encryption using Firebase; created API calls to OpenAI for plant care information and to Unsplash for images.
- Built features including a custom event calendar, live discussion boards, and personalized weather forecasts.

Formula1 Racing Leaderboards   **Fall 2023**

Python, SQL

- Led the development of a dynamic Formula1 Leaderboard Database system using Python and SQL.
- Designed intuitive GUIs and robust SQL databases for historical data and tire strategy visualization.
- Implemented historical data processing, enhancing user experience in race data analysis.

Neural Network for Signal vs. Noise Detection   **Spring 2024**

Python, NumPy, Pandas

- Developed a two-layer neural network to classify signal and noise in datasets, using Python with NumPy and Pandas.
- Implemented a hidden layer and an output layer optimized through backpropagation and the sigmoid function.
- Trained the network on a dataset, achieving a high classification accuracy, and evaluated performance using MSE and ROC curve.

Discord Bot Development   **2024**

Python, DiscordAPI, YouTubeAPI, SpotifyAPI

- Created a feature-rich Discord bot to enhance server interaction and entertainment using Python.
- Integrated YouTube API for playing music and Spotify API for fetching and playing tracks within the server.
- Implemented commands for music control (play, pause, skip) and queue management.

WORK EXPERIENCE

Manhattan College   **Riverdale, NY**

IT Support Specialist   *Sep 2022 - Present*

- Collaborated with a team of IT professionals to swiftly resolve technical issues and provide support for hardware malfunctions in over 100 classrooms, resulting in a 90% decrease in downtime for teachers and students.
- Enhanced the user experience by conducting insightful troubleshooting and diagnosing hardware, software, and network-related problems.

SKILLS & INTERESTS

Skills: Java, C/C++, SQL, Bash, LUA, Python, JavaScript, HTML, CSS

Interests: Board games and video games, Formula One Motorsports Enthusiast