# Faddi Azzam Dabain

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## Education

**Manhattan College**                                                                                          Riverdale, NY
**Bachelor of Science in Computer Science**                                                        May 2024
- GPA: 3.33
- Relevant Awards: Science Scholar's Award Scholarship, Founder's Award Scholarship, Dean's List GPA: (two semesters with GPA: 3.47 and GPA: 3.90)

**Manhattan College**                                                                                          Riverdale, NY
**Master of Science in Computer Science**                                                          May 2025
- Currently Pursuing

## Projects

- **MCGardens (JavaScript, Firebase, OpenAI API, Unsplash API, Nodemailer):**          Spring 2024
    - 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.
- **Formula 1 Racing Leaderboards (Python, SQL):**                                                   Fall 2023
    - Led the development of a dynamic Formula 1 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 (Python, NumPy, Pandas):**          Spring 2024
    - 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 (Python, Discord API, YouTube API, Spotify API):**          2024
    - 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.

## Experience

**Manhattan College**                                                                                          Riverdale, NY
**IT Support Specialist**                                                                                     09/2022 – Current
- Collaborated with a dynamic team of IT professionals to provide timely and effective solutions to a diverse range of technology-related issues across the campus community.
- Developed strong interpersonal and communication skills by liaising between clients and technical experts, ensuring seamless resolution of IT concerns.
- Enhanced the user experience by conducting insightful troubleshooting and diagnosing hardware, software, and network-related problems.

## Skills & Interests

**Technical:** Java, C/C++, SQL, Bash, LUA, Python, JavaScript, HTML, CSS
**Language:** English (Fluent), Arabic (Limited working proficiency)
**Interests:**
- Board games and video games: Enthusiastic about strategic thinking and problem-solving in both virtual and physical gaming environments, showcasing my analytical and adaptability skills.
- Formula One Motorsports Enthusiast: Passionate follower of Formula One, demonstrating an adeptness for highly agile environments and teamwork. Actively stay updated with the latest developments and races, leveraging analytical skills to track and analyze race strategies, performance metrics, and technological advancements in the sport.