

# FADDI DABAIN

Ossining, NY 10562

Contact: (914) 689-6900 | [dabainfaddi@gmail.com](mailto:dabainfaddi@gmail.com) | <https://dabainfolio.web.app/>

## PROFILE

Passionate and results-driven aspiring software engineer with a strong foundation in computer science. Completed my Master of Science in Computer Science at Manhattan University, where I also earned my Bachelor's degree. Proficient in Python, Java, C++, JavaScript, Node.js, SQL, Vite, HTML, and API integration. Recognized for developing innovative projects like dynamic platforms and neural network classifiers. Committed to leveraging technical expertise in software engineering, backend development, data analysis, and AI/ML engineering. Adept at problem-solving and dedicated to delivering impactful software solutions that enhance user experience.

## CORE COMPETENCIES

Strong Project Management ♦ Keen Attention to Detail ♦ Great Communicator ♦ Tech-Savvy ♦ Problem Solver  
♦ Team-Oriented ♦ Natural Leader ♦ Inclusive ♦ Warm, Professional Demeanor ♦ Exceptional Work Ethic ♦  
Adaptable

## EDUCATION & HONORS

**Manhattan University M.S. Computer Science**, Received May 2025.

Cum. GPA: 3.71/4.0.

**Manhattan University B.S. Computer Science**, Received May 2024.

Cum. GPA: 3.4/4.0.

## PROJECT EXPERIENCE

**MGardens**; *JavaScript, CSS, Firebase, OpenAI API, Unsplash API, Nodemailer*

Jan 2024 – May 2024

- Developed a comprehensive web application facilitating user interaction with dynamic content on plants, weather, and events using Agile Methodology
- Implemented responsive design principles to ensure seamless user experience across desktops, tablets, and mobile devices, enhancing user interface (UI) and user experience (UX).
- Implemented user authentication and data encryption using Firebase; created API calls to OpenAI for plant care information and to Unsplash for images.
- Applied Agile methodologies and used Git for version control to manage project development, collaborate effectively, and iterate based on user feedback.

**Neural Network for Signal vs. Noise Detection**; *Python, NumPy, Pandas*

Jan 2024 – May 2024

- Developed a two-layer neural network using Python, NumPy, and Pandas to classify signal and noise in complex datasets.
- Implemented hidden and output layers, optimized through backpropagation and the sigmoid activation function, enhancing model precision.
- Trained and validated the network on extensive datasets, achieving high classification accuracy and robust performance metrics.
- Evaluated and refined model performance using Mean Squared Error (MSE) and Receiver Operating Characteristic (ROC) curves, leading to significant improvements in detection capabilities.

## WORK EXPERIENCE

**Full Stack Web Developer, JFL Fuel Corp.**

May 2025 – Sep 2025

- Architected and launched a fully responsive React/Node.js web app, deployed on Firebase for fast asset delivery; boosted user engagement by 60% and maintained 99.9% uptime.
- Developed a custom React-based admin dashboard, enabling managers to update promotions, track inventory, and analyze customer behavior; cut update processing time by 80%.
- Implemented SEO best practices—including semantic HTML, meta tags, and Google Analytics event tracking—to improve local search rankings, drive a 50% increase in organic traffic, and reduce bounce rate by 30%.

**Information Technology Support Specialist, Manhattan College**

Sep 2022 – May 2024

- Collaborated with a team of IT professionals to swiftly resolve technical issues and provide support for hardware malfunctions in over 100 classrooms and offices, 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.

## TECHNICAL SKILLS

Proficient in Java, C/C++, Python, JavaScript, SQL, Bash, LUA, HTML, CSS, React Native, API Integration