

FADDI DABAIN

Ossining, NY 10562

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

Cum. GPA: 3.4/4.0.

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

Cum. GPA: 3.71/4.0.

PROJECT EXPERIENCE

MCGardens; 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 – Present

- Architected and launched a fully responsive React/Node.js/MongoDB web app, deployed on AWS EC2 with S3 and CloudFront for fast asset delivery; boosted user engagement by 60% and maintained 99.9% uptime.
- Developed a custom React-based admin dashboard with Express endpoints and Chart.js visualizations, 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