

ISLAM ELSAYED

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EDUCATION

Brooklyn College, *Bachelor of Science in Computer Science*

Expected graduation date: May 2025

WORK EXPERIENCE

DOE Tech Support, Brooklyn Theatre Arts, Brooklyn, NY

October 2024 – Present

- Manage \$200,000+ worth of IT assets by implementing efficient tracking systems, ensuring proper allocation, security, and maintenance.
- Provide tech support to a network of 250+ users, ensuring a 95% first-time resolution rate.
- Automate inventory management with Microsoft Intune and custom Google Sheets scripts, saving 30% of real-world time spent on data tracking and reporting.
- Configure and maintain 1,000+ devices, including projectors, smartboards, and student laptops, enhancing productivity and minimizing downtime.

Computer Instructor, P.S. 186, Brooklyn, NY

January 2023 – Present

- Taught 400+ students (ages 6–11) foundational computer skills and coding using Scratch, achieving a 20% improvement in coding proficiency. Create age-appropriate lesson plans and address 10+ technical questions per session.
- Manage and maintain \$10,000+ worth of IT equipment, ensuring proper functionality and security. Troubleshoot 40+ computers to optimize performance and repair school electronics (smartboards, printers, projectors), minimizing downtime and improving classroom technology efficiency.

Software Engineer Fellowship, Head Starter AI, Remote

June 2024 – September 2024

- Developed 5+ AI-powered applications with Next.js and OpenAI, achieving 97% accuracy, engaging 1,000+ users globally.
- Led a team of 3 engineers, implementing MVC design patterns and CI/CD pipelines, reducing deployment time by 40%.
- Built scalable APIs for real-time data processing.

PROJECTS

AI Assistant Chatbot (Vite/React, OpenAI GPT-3.5, Vercel)

- Built and deployed an AI-powered chatbot using OpenAI GPT-3.5 API and Vite/React, optimized for seamless user interactions.
- Enhanced chatbot performance by 30%, ensuring efficient response times in real-world scenarios.
- Deployed the application to Vercel, achieving 99.9% uptime for reliable access.

Crypto Stash – AI-Powered Crypto Insights & Coaching (React, Flask, OpenAI API, CoinGecko API)

- Led a team in developing a full-stack web application that provides real-time and historical crypto market data, enhancing user decision-making.
- Implemented an AI chatbot (Crypto Coach) using OpenAI API to deliver market insights and trading guidance, increasing user engagement by 30%.
- Optimized API calls and caching, reducing data retrieval time by 30%, ensuring seamless real-time updates for crypto traders.

Food Pantry Management Application (HTML, CSS, JavaScript, Firebase)

- Engineered a full-stack web application to manage food pantry operations, handling 500+ records with real-time Firebase database interactions.
- Optimized CRUD operations and advanced search capabilities, reducing database query times by 25%.
- Delivered a responsive design, enhancing user experience across all devices.

Cloud Tracker (Flask, MySQL, React, Azure Blob Storage)

- Engineered a full-stack web application to manage food pantry operations, handling 500+ records with real-time Firebase database interactions.
- Implemented a responsive **React** frontend, improving user experience and ensuring seamless data visualization.

SKILLS

Programming languages: Java, C++, MySQL, HTML, CSS, Python, JavaScript

Tools: Git, GitHub, VS Code, IntelliJ, Vercel, Netlify, Firebase, OpenAI, Vite, Microsoft Intune, Google Workspace, Azure

Framework: Bootstrap, React, Node.js, Vite, Flask

Natural Language: Arabic, English