ISLAM ELSAYED

Software Engineer

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SKILLS

Programming languages: Java, C++, MYSQL, HTML, CSS, Python, JavaScript,
Tools/Framework: Git, IntelliJ, VS Code, Bootstrap, React, Node.js, Vercel, Firebase, OpenAI, Vite
Natural Language: Arabic, English

EDUCATION

Brooklyn College, City University of New York   Expected graduation date: May 2025
Bachelor of Science in Computer Science

PROJECTS

AI Assistant Chatbot (Vite/React, OpenAI GPT-3.5, Vercel)
- o   Deployed an AI-powered chatbot leveraging OpenAI's GPT-3.5 API and built with Vite/React.
- o   Optimized the chatbot for performance, ensuring efficient and seamless user interactions at scale. Deployed the application to Vercel for reliable and fast cloud hosting.

Password Generator (Python)
- o   Designed and implemented a password generator using Python, ensuring secure and robust generation of cryptographically strong passwords.
- o   Integrated functionality for secure storage and retrieval of generated passwords.

Food Pantry Management Application (HTML, CSS, JavaScript, Firebase)
- o   Engineered a full-stack web application for managing food pantry operations, including real-time database interactions via Firebase, comprehensive CRUD operations, and advanced search capabilities.
- o   Designed for high responsiveness and optimized user experience, handling large datasets efficiently.

Online Retail Store Management (Data Analytics, E-commerce)
- o   Managed an online retail store focused on selling secondhand items across the United States.
- o   Utilized data analytics to identify trends and optimize product offerings for specific demographics, adjusting inventory and sales strategies based on weekly market reports and consumer demand.

WORK EXPERIENCE

DOE Tech Support Intern, **Brooklyn Theatre Arts**, Brooklyn, NY   October 2024 – Present
- Provided tech support to staff, students, and admins.
- Develop and implement custom scripts to automate and manage inventories in Google Sheets which improves efficiency in data tracking and reporting tasks.
- Ensured functionality of hundreds of devices, projectors, smart boards and set up computer labs for student use.
- Configured devices for DOE network access.

P.S. 186, Computer Instructor, Brooklyn, NY   January 2023 – Present
- Instruct 200 – 300 Students ages 6 – 11 in computer fundamentals.
- Differentiate instructions based on age including by coding using scratch, address 10 questions per lesson.
- Create prompt and instructions to guide Students through their work.
- Manage and troubleshoot over 40 computers, ensuring optimal performance, while also maintaining and repairing various school electronics such as smartboards, printers, and projectors.

Head Starter AI, Software Engineer Fellowship, Remote   June – September 2024
- 5+ AI-powered applications and APIs using Next.js and OpenAI, achieving 97% accuracy and engaging over 1,000 users.
- Led a team of 3 engineers through the full development lifecycle, implementing MVC design patterns and integrating CI/CD pipelines with guidance from industry experts at Amazon, Bloomberg, and Capital One.

Amazon, Fulfilment Associate, Brooklyn, NY   August 2021 – July 2022
- Completed 100-200 orders a day with expert picking and packing shipments.
- Operated pallets jacks and material moving produce and goods to receive items from various warehouses.