

# ISLAM ELSAYED

Aspiring Software Engineer

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## SKILLS

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**Programming languages:** Java, HTML, CSS, Python, JavaScript,

**Tools/Framework:** Git, IntelliJ, VS Code, Bootstrap, React, Node.js, Vercel, Firebase, OpenAI, , Vite

**Natural Language:** Arabic, English

## EDUCATION

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Brooklyn College, City University of New York

Expected graduation date: May 2025

**Bachelor of Science in Computer Science**

## PROJECTS

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- **AI Assistant Chatbot (Vite/React, OpenAI GPT-3.5, Vercel)**
  - Deployed an AI-powered chatbot leveraging OpenAI's GPT-3.5 API and built with Vite/React.
  - 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)**
  - Designed and implemented a password generator using Python, ensuring secure and robust generation of cryptographically strong passwords.
  - Integrated functionality for secure storage and retrieval of generated passwords.
- **Food Pantry Management Application (HTML, CSS, JavaScript, Firebase)**
  - 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.
  - Designed for high responsiveness and optimized user experience, handling large datasets efficiently.
- **Online Retail Store Management (Data Analytics, E-commerce)**
  - Managed an online retail store focused on selling secondhand items across the United States.
  - 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

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**Head Starter Ai, Software Engineer Intern, Remote**

2024

- Built 5+ AI apps and APIs using Next.js, OpenAI, and with 97% accuracy, engaging over 1,000 users.
- Led a team of 3+ engineers from design to deployment, utilizing MVC design patterns, and received coaching from industry experts at Amazon, Bloomberg, and Capital One on CI/CD and Git.

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

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.

**Amazon, Fulfilment Associate, Brooklyn, NY**

2021 – 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.
- Protected produce for transport by correctly packing products in its assigned bag.