Akeeb Khandakar

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Experience

Software Engineer Intern   **Remote**

Tech Incubator at Queens College(TIQC)   February 2023-May 2023

• Led the development of a Python backend system for an E-commerce startup, automating API fetches and database updates using real-time product data to significantly reduce costs.

• Designed and implemented scalable algorithms for transforming API responses from 30+ web services, optimizing data flow into an ETL pipeline.

• Collaborated with software engineer interns to ensure QA testing, integration with supplier APIs, and improved data integrity in a MySQL database across 5+ relations using normalization techniques.

Software Engineer Intern   **Remote**

K Level 1   April 2023-May 2023

• Developed an LLM chatbot using GPT-3.5 API, natural language processing tools, and large language models, collaborating cross-functionally to meet project goals.

• Used Gen AI and OpenAI's GPT models for precise responses and data transformation in Agile MVP development at a Blockchain startup with a focus on NLP.

CodePath's Mobile App Design   **Remote**

Fellow   February-May 2022

• Collaborated on mobile app development in Java and Swift, earning program honors. Gained valuable problem-solving skills and improved technical and communication abilities with industry feedback and mentorship.

Projects

Text Parser | PHP SQL HTML CSS

- Developed a web-based parser of literary texts that also reports on word frequencies, implementing MYSQL to store and query data and PHP for the backend.

Online Store | HTML CSS JavaScript

- Built an online store that enables **CRUD operations** to store structured data into a table, utilizing JavaScript to connect to the **IndexedDB API database**.

Text Editor | Python

- Developed a text editor using Python's **tkinter** module, featuring file creation, opening and saving, font and text color customization, as well as standard edit commands.

Photo Manipulation | Python

- Implemented Python to photoshop pictures, including adjusting brightness and contrast, adding blur, and detecting edges, utilizing the **Numpy** and Image **libraries**.

Portfolio | HTML CSS JavaScript

- Developed a responsive personal website, utilizing **Git** and hosting on **GitHub**, including implementing **version control**.

Education

B.A. in Computer Science, Queens College   August 2020-June 2024
GPA: 3.4

Relevant Courses: Algorithms, Data Structures, Internet and Web Technologies, Software Engineering, Database Systems, Object-Oriented Programming in C++ and Java, Genetic Algorithm

Skills

Languages: Python(Pandas, Regex, JSON, Flask), JavaScript(React, Typescript, jQuery, NodeJS), HTML/CSS, Java, SQL, Swift, PHP, C++

Technology: MySQL, VS Code, Git/Github, PyCharm, Eclipse, IntelliJ, XCode, Microsoft Office, Google Suite Applications