Ibtidul Alam

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Linkedin | Github | Website

Summary

Equipped with strong foundational knowledge in programming and effective communication skills, I aim to join a mission-driven organization dedicated to solving business and social challenges. I am committed to learning, and I look forward to developing myself as a software engineer under the mentorship of seasoned professionals.

Education

- Computer Science, York University, Lassonde School of Engineering, Batch 2023 | Toronto, Ontario, Canada
- Scholastica, High School, Batch of 2018 | Dhaka, Bangladesh

Experience/Projects

Alternate Exam Centre, Student Accessibility Services, York University

Exam Monitor 09/2022 – 08/2023

- Created a safe and friendly environment for students with disabilities and provided necessary accommodation during examinations.
- Monitored the testing environment to prevent any form of academic dishonesty, ensuring students adhere to the university's rules and guidelines.
- Organized student information and examination material, storing, retrieving, and managing files, ensuring all exam materials were accounted for and securely stored.

Tax Fraud Detection Software, Government of Bangladesh | Dhaka, Bangladesh

Programmer 05/2021 – 05/2022

- Developed and implemented an automated notification system using Python to streamline the process of notifying taxpayers, resulting in significant time savings of 20 minutes per notification.
- Collaborated closely with cross-functional teams to gather requirements, design the notification architecture, and integrate it with existing tax software, ensuring seamless operation and accurate data transmission.
- Conducted extensive testing and debugging to identify and resolve potential issues, ensuring the reliability and accuracy of the automated notification system throughout the tax return submission process.

Book Recommender | Toronto, Ontario

Programmer 05/2020 – 08/2020

- Created a Book Recommender website using Python's Streamlit library and incorporating machine learning algorithms (BERT-transformer model) to provide book recommendations based on plot summaries collected from GoodReads.
- Designed and implemented the website's backend architecture, including data collection, preprocessing, and model training, to deliver accurate and relevant book suggestions to users.
- Implemented a sleek and modern UI for the front end to make the app simple and easy to use.

Programming Languages/Tools/Databases

- Python
- Java
- C
- HTML/CSS/JavaScript/MyS

GitHub Projects

- Tradebook - A real-time stock monitoring and management tool.
- Spot - A GPS system showcasing restaurants around your neighborhood and Toronto.
- MacroCalculate - Python-based application that helps users track their daily nutrients.