FUAD HASSAN

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EDUCATION

Temple University **August 2021 - May 2025**
Bachelor's, Data Science
- Concentration in Computational Analytics

PROFESSIONAL EXPERIENCE

Temple Finance Department **Philadelphia, PA, USA**
Finance Data Automation and Analysis *July 2023 - Present*
- Utilize Python to develop automated scripts for efficient and accurate extraction of financial data from SEC.gov website, ensuring up-to-date and reliable datasets for analysis
- Leverage Beautiful Soup web scraping to efficiently navigate intricate web structures and extract precise financial data from diverse sources, optimizing data collection and saving 99% time
- Apply expertise in data manipulation and analysis with Pandas and NumPy libraries to preprocess and clean the data, enabling 98% data accuracy seamless integration into research facilitating insightful financial analysis

Children's Hospital of Philadelphia **Philadelphia, PA, USA**
IS Technology Intern *May 2023 - August 2023*
- Resolved hardware and software issues promptly, ensuring uninterrupted operations for end-users
- Provided exceptional service by documenting and resolving items with precision to achieve high satisfaction
- Demonstrated elite troubleshooting skills, swiftly diagnosing, and resolving complex problems across hardware, software, and peripherals
- Streamlined issue management by efficiently handling queues and implementing innovative enhancements
- Acted as a reliable liaison between clients and the IS Department, facilitating seamless communication

Temple University **Philadelphia, PA, USA**
Python Teaching Assistant *August 2022 - December 2022*
- Instructed and assessed 40+ students with non-technical backgrounds for the introduction to Data Science course.
- Constructed 15 comprehensive weekly lesson plans, featuring personal office hours for student guidance, TA meetings, and review lectures, enhancing student engagement and understanding.
- Prepared students for weekly assessments by creating presentations and offering review sessions to help students better understand the material and boost their grades.

Temple Human-Computer Interaction (HCI) Lab **Philadelphia, PA, USA**
Software Engineer *June 2022 - December 2022*
- Participated in a research workshop on CoBoard (collaboration platform) Using Online Whiteboard Templates to designed Data for Computationally Supported Workshops
- Customized the Collaborative digital whiteboard's UI design using past studies feedback to improve productivity
- Developed creativity support tools using React.js and uploading and retrieving design data using Firebase
- Collaborated with two undergrad students to generate new feature ideas and research questions for CoBoard

PROJECTS & OUTSIDE EXPERIENCE

SOI (Schedule of Investments) Database *April 2024 - April 2024*
- Implemented a database system including ERD, schema, SQL queries, and to efficiently import, process, standardize, BDC investment data from SEC filings, ensuring optimal performance, security.

Global Insights Clustering *March 2024 - March 2024*
- Engineered a model using analyze and categorize global insights for actionable data-driven decision-making.

Movie Recommendation System *November 2023 - November 2023*
- Utilized CountVectorizer and cosine similarity to build a recommendation engine measuring the similarity between movies based on their features and deployed using Streamlit

SKILLS

Programming Languages: Python, SQL, Java, JavaScript, C/C++, HTML/CSS, React.js
Tools & Technologies: Git, Pytorch, Tensorflow, Linux/Unix, Linux, Firebase, Data Analysis, Data Structures & Algorithms, Flask
Languages: Bengali

LEADERSHIP EXPERIENCE

Bangladeshi Student Association (BSA) | Secretary Fall 2022 – Present
Temple Data Science Community (TDSC) | Member Fall 2022 – Present