

Fuad Hassan

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EDUCATION

Temple University, College of Science & Technology, Philadelphia, PA
Major: B.S. in Data Science with concentration in Computational Analytics

Anticipated Graduation May 2025

TECHNICAL SKILLS

Programming Languages: Java, C, Python, JavaScript, HTML, CSS, SQL, React JS

Tools & Technologies: Pandas, NumPy, PyTorch, UNIX, Linux, Firebase, Flask, git, GitHub, Jupyter notebooks

Relevant Courses: Foundations of Machine Learning, Database Systems, Principles of Data Science, Data Structures

WORK EXPERIENCE

Temple Finance Department (FSBM) | 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 BeautifulSoup 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 (CHOP) | 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 STEM Education Intern | Teaching Assistant

August 2022 – December 2022

- Instructed and assessed 40+ students on Python and Pandas for Elements of 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

Temple Human-Computer Interaction (HCI) Lab | Research Assistant

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

TECHNICAL PROJECTS

Movie Recommendation System | Python/Pandas/NumPy/scikit-learn/Streamlit

November 2023

- Developed a movie recommendation system using natural language processing techniques and ML
- Utilized CountVectorizer and cosine similarity to build a recommendation engine measuring the similarity between movies based on their features
- Deployed the recommendation system as a Streamlit web application

House Price Prediction | Machine Learning/Python/Scikit-Learn

August 2023

- Spearheaded the development of a robust machine learning model in Python, powered by the Scikit-Learn library, to accurately forecast house prices by harnessing advanced regression techniques.

LEADERSHIP EXPERIENCE

Bangladeshi Student Association (BSA) | Secretary

Fall 2022 – Present

Temple Data Science Community (TDSC) | Member

Fall 2022 – Present