

# Fuad Hassan

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## EDUCATION

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**Temple University**, College of Science & Technology, Philadelphia, PA **Anticipated Graduation May 2025**  
Major: B.S. in Data Science with concentration in Computational Analytics.

## TECHNICAL SKILLS

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**Programming Languages:** Java, C, Python, JavaScript, HTML, CSS, SQL, React JS  
**Tools & Technologies:** UNIX, Linux, Firebase, Flask, MongoDB, Pandas, git, GitHub, Jupyter notebooks  
**Relevant Courses:** C, Program Design and Abstraction, Data Structures, Computer Systems and Low-Level Programming

## WORK EXPERIENCE

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**Temple Finance Department (FSBM) | Data Automation and Analysis** **July 2023 – Present**

- Proficiently utilize Python programming language 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
- Leveraged 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.
- Utilize 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, 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 to help students to better understand the material and boost their grades.

**Temple Human-Computer Interaction (HCI) Lab | Research Assistant** **June 2022 – December 2022**

- Participate in a research workshop on CoBoard (collaboration platform) Using Online Whiteboard Templates to Design Data for Computationally Supported Workshops
- Customize the Collaborative digital whiteboard's UI design using past studies feedback to improve productivity
- Develop creativity support tools using React.js and uploading and retrieving collected design data using **Firebase**
- Collaborating with two undergrad students to generate new feature ideas and research questions for CoBoard

## TECHNICAL PROJECTS

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**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.

**Registration Form | JAVA/JDBS** **March 2022**

- Developed a robust JAVA application featuring a user-friendly UI utilizing JAVA frames, enabling seamless registration and removal of students
- Implemented a highly efficient data management system through the utilization of the JAVA/JDBS registration form, resulting in streamlined student registration processes and improved data accuracy.

## LEADERSHIP EXPERIENCE

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**Bangladeshi Student Association (BSA) | Secretary** **Fall 2022 – Present**

**Temple Data Science Community (TDSC) | Member** **Fall 2022 – Present**