

SUBHAN TARIQ

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EDUCATION

BARUCH COLLEGE, CITY UNIVERSITY OF NEW YORK

Bachelor of Science

New York, NY

Expected May 2025

- **Major:** Computer Science **Minor:** Philosophy
- **Cumulative GPA:** 3.8/4.0
- **Awards:** Dean's List, Full Merit Scholarship
- **Relevant Coursework:** Data Structures and Algorithms, Discrete Mathematics, Object-Oriented Programing, Data Mining for Business Analytics, Database Management, Business Statistics I & II, Principles of Web Design

TECHNICAL SKILLS

- Python (NumPy, pandas, Matplotlib, Scikit-learn, Beautiful Soup, Seaborn), Intermediate C++, Docker, SQL, Tableau

EXPERIENCE

FIG MEDICAL

Software Engineer Intern

New York, NY

June 2024 – Present

- Collaborated with the CTO and development team to create and maintain Fig's application and web platform
- Assisted in the development, implementation, and testing of the NLP-based machine-learning model using frameworks such as HuggingFace, PyTorch and DeepEval
- Containerized the Smart on FHIR application, deploying it to a private registry to streamline application updates
- Contributed to the encryption of environmental data for HIPAA-compliant deployments ensuring patient data protection
- Conducted and reported a cost-benefit analysis of on-premise and cloud software deployments for EHR integrations, providing critical insights for strategic decision-making

CUNY TECH PREP

Upcoming Full-Stack Developer Fellow

New York, NY

August 2024 – Present

- Selected for a year-long technical and professional development program for CUNY computer science and related majors to learn in-demand technologies, master professional soft skills, and land great tech jobs in NYC

BARUCH ASSOCIATION FOR INFORMATION SYSTEMS

Data Science Associate

New York, NY

August 2023 – Present

- Promoted awareness of the applications of the rapidly changing field of data science by organizing weekly events
- Led professional development workshops such as Intro to Python and Intro to Machine Learning using scikit-learn, to provide professional guidance and teach in-demand skills to younger members of the internal education program
- Arranged two tech-focused events featuring industry professionals by inviting and coordinating guest speakers and marketing to attendees to provide students with valuable insights and networking opportunities

MOUNT SINAI HEALTH SYSTEM

Data Analyst Intern

New York, NY

June 2022 – Aug 2022

- Developed a Tableau dashboard to analyze and evaluate the quality of care in Pediatric ICU units using key performance indicators including Falls, PSI, and Injury data
- Updated dashboards to reflect recent data by integrating data from various sources such as Oracle DB and Excel files
- Used SQL to manipulate and aggregate data leading to the creation of accurate and clear models
- Utilized calculated fields, sets, groups, and parameters in Tableau allowing for user-friendly and interactive dashboards

PROJECTS

MOVIE RECOMMENDATION PROJECT

June 2023 – August 2023

- Developed a content-based recommendation model using Python, and data science libraries like scikit-learn and pandas
- Cleaned and preprocessed a 5000-row dataset including imputing missing values and removing outliers
- Utilized text-mining techniques including stemming and lemmatization to extract keywords from movie description
- Created a similarity matrix using TF-IDF vectorizer and found results using cosine similarity

DATA CHALLENGE WITH PITNEY BOWES

August 2023 – September 2023

- Analyzed a dataset containing historical revenue data from 52 real clients to forecast 6 months of future revenue
- Implemented a predictive model specifically made for time-series forecasts using the SARIMAX library
- Created outlier detection and used feature engineering techniques leading to more accurate performance of models
- Optimized model parameters to improve forecast accuracy, resulting in a reduction in forecast error
- Constructed a technical poster to present our findings and effectively communicated it to non-technical stakeholders

ADDITIONAL INFORMATION

- **Languages:** Conversational Urdu and Basic Spanish
- **Interests:** Swimming, Camel Riding, Tennis, Running, Streetwear, Volunteering, Video Games