

Saaim Khan

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EDUCATION

Rutgers University

Bachelors in Computer Science and Data Science

Sept. 2022 – May 2026

New Brunswick, NJ

Relevant Coursework:

Calculus I, Calculus II, Discrete Structures I, Discrete Structures II, Linear Algebra, Data Structures & Algorithms, Computer Architecture

EXPERIENCE

University Help Desk

Rutgers University

Sep 2022 – Present

New Brunswick, NJ

- Troubleshoot and resolved a variety of technical issues related to printers, scanners, microfilm, and microfiche machines, ensuring equipment was fully operational and accessible.
- Delivered hands-on help desk services, responding promptly to walk-in, telephone, and email queries, and offering step-by-step guidance for a diverse range of technical and informational requests.
- Played a key role in the library's transition to digital systems, actively participating in the digitization of archival materials and the integration of new software platforms.
- Conducted regular database queries and generated business intelligence reports on user reservations, overdue materials, and student engagement statistics to aid in resource management and service optimization.

PROJECTS

Tourist Search Engine | Web Development Application

- Designed and developed a user-centric search engine for discovering tourist attractions, leveraging **HTML**, **CSS**, and **JavaScript** to create a seamless and interactive web interface.
- Integrated **Google Maps API** to enable dynamic mapping of tourist locations, allowing users to specify a city and search radius for personalized findings.

Encrypted Banking System | Back-End Application

- Developed a secure banking system application using **Java**, employing object-oriented programming principles such as classes and inheritance to structure the project efficiently and maintainably.
- Leveraged **JDBC** for seamless integration with **SQL Server**, facilitating efficient data management and operation of user accounts and financial transactions.
- Utilized **SQL Server Management Studio (SSMS)** for database administration and to bolster the application's back-end data processing capabilities, and performed regular server backups and restores as needed to ensure data integrity and system reliability.

Stock Dashboard Project | Data Visualization Application

- Engineered an interactive stock analysis dashboard using **Python**, leveraging financial libraries like **yfinance** for real-time data retrieval.
- Programmed and integrated key technical indicators such as MACD and RSI to identify stock trends and potential buy/sell signals.
- Constructed a visualization dashboard with **matplotlib** for comparative analysis of stock performance indicators, volume, and price data.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL, JavaScript, HTML, CSS

Technologies: React, Node.js, Azure, Ex Libris, Office 365, Google Suite, Windows, macOS, SAP

Certifications: Microsoft AI-900, Microsoft AI-102 (in progress), IBM Secure Network Architecture

Libraries : pandas, NumPy, yfinance, matplotlib