Irsath Azeez

Bronx, NY 10471
irsathnir@gmail.com

Website Portfolio, GitHub, LinkedIn Profile

- https://irrino.github.io/my-website/
- https://github.com/Mirsath
- https://www.linkedin.com/in/irsath-azeez-219102186/

Education

Associate of Science in Computer Science

CUNY-Borough of Manhattan Community College (BMCC), New York, NY

- 3.967 GPA

Bachelor of Science in Computer Science

CUNY-Lehman College, New York, NY

- 3.854 GPA

Skills

- C++
- Python
- JAVA
- Bash/ Batch Script
- MySQL
- Java Script
- HTML
- PHP
- CSS
- Bootstrap

Detail-focused Data Analyst with knowledge in data warehousing, process validation and business needs analysis. Proven to understand customer requirements and translate into actionable project plans. Dedicated and hard-working with passion for Big Data.

Work History

Teaching Assistant

CUNY Lehman College, The Bronx, New York | August 2022 - Current

- Computer Science Tutor for Java language (basic and advance levels), Data System Design and Analysis (Python, SQL), Data Structure, Operating System, Machine Learning.
- Provided ongoing support and mentorship to help students build confidence and achieve their academic goals in computer science.
- Provided hands-on troubleshooting and support for students' computer systems, diagnosing and resolving technical issues to ensure optimal performance.

Teaching Assistant

CUNY Accelerated Study in Associate Programs (ASAP) at BMCC, New York, New York | February 2022 - Current

- Computer Science Tutor for C++ language: basic and advance levels.
- Provided ongoing support and mentorship to help students build confidence and achieve their academic goals in computer science.

Research Scholar

Columbia University and Amazon (SURE Program), New York, New York | June 2023 - August 2023

- Computer science intern focused on single cell analysis of microbiome utilizing data mining, timeseries, and analyzing abundant data with machine learning (AI) techniques
- Created a system design to analyze the metagenomic data using anndata structure with Python language for my research

Teaching assistant

Department of Education of New York (DOE) through CUNY Tutor Corp, The Bronx, New York | February 2022 - May 2022

- Computer Science Tutor for high/middle school students

Projects and Accomplishments

- Developed an online sales web application using PHP, HTML, MySQL, CSS, and JavaScript. - CUNY BMCC
- Created a CPU scheduling process simulator in Java. - CUNY Lehman College

- BigQuery(large data)
- Pandas (Python)
- Tableau
- Looker Studio
- Machine Learning
- Neural Network
- Cloud Computing
- Operating System Analysis
- Cyber Security

Languages

- English
- Tamil

- Implemented disk scheduling algorithms (FCFS, SCAN, CSCAN) in Java. - CUNY Lehman College
- Designed C++ software to help students learn programming basics through multiple-choice quizzes and curated study materials. - CUNY BMCC
- Developed a Java program to solve linear equations using Cramer's rule. - CUNY Lehman College
- Built a C++ program to check graph connectivity and implement tree traversal techniques - CUNY BMCC
- Developed an AI project using deep learning (LSTM) to predict the next word in sentences as user type. - CUNY Lehman College
- Created an Android app to guide students through learning Android concepts with quizzes and resources. - CUNY Lehman College
- Led a data analysis project on seismic activity in Turkey, visualizing earthquake trends in a dashboard to support disaster preparedness decisions. - CUNY Lehman College
- Trained a K-Nearest Neighbors (KNN) model to classify fraudulent transactions, achieving 99% accuracy in detecting fraud in payment data. - CUNY Lehman College
- Developed and led a data analysis project on Amazon Sales Reports using large datasets, delivering a workshop to community college students to teach data analysis techniques using python. - CUNY BMCC

Activities

- National Society of Leadership and Success (NSLS) - CUNY BMCC Chapter Member
- PHI THETA KAPPA Honor Society - CUNY BMCC Chapter Member
- Dean's List: CUNY BMCC
- Student Leader - CUNY Accelerate Study in Associate Programs (ASAP)
- Magna Cum Laude: CUNY Lehman College
- Dean's List (Presidential Scholar Award) - CUNY Lehman College
- Mentor - CUNY Lehman College
- HSI Battle of The Brains Competition Austin, TX - Representing CUNY Lehman College