

Samira Akram

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EDUCATION

John Jay College of Criminal Justice (CUNY)

Master of Science in Digital Forensics & Cybersecurity

Bachelor of Science in Computer Science and Information System Security & Math Minor | *GPA: 3.7*

New York, NY

Aug. 2024 - Expected in May 2026

May 2023

Relevant Courseworks:

Architecture of Secure Operating Systems, Network Security, The Law and High Technology Crime, Objective-Oriented & Advanced Data Structures, Cryptography & Cryptanalysis, Database & Data Mining, Operating Systems, Computer Networking, Computer Security & Forensic, Network Security & Forensic, Discrete Structures, Calculus, Linear Algebra, Intro to Ordinary Differential Eqn

SKILLS & CERTIFICATIONS

Programming: C++, Python, HTML, CSS, Javascript, Bootstrap, Django, React, DAX, SQL, Java, PHP, jQuery, Kotlin

IDE & Tools: Visual Studio Code, PyCharm, Google Firebase, Wireshark, MS Access & Power BI, Figma, CyberChef

Platform: Active Directory, Linux, Mac OS X, Virtual Box, AWS, MS Azure, Kali-Linux, Ubuntu, Docker

Languages: Bengali (Fluent - Spoken), Hindi and Urdu (Intermediate - Spoken), Arabic (Intermediate - Reading & Writing).

Certifications: CodePath - Cybersecurity (Feb 2023 - April 2023), Coursera Google - Foundation of CyberSecurity (Aug. 2023)

WORK EXPERIENCES

John Jay College of Criminal Justice (CUNY)

Graduating CS Teaching Assistant

January 2025 - Present

Support graduate students, particularly in the BS in Forensic Science program, by clarifying course material, addressing academic challenges in person or remotely, collaborating with instructors, and promoting academic assistance.

Courses: FCM 705 - Mathematical Statistics for Forensic Analysis, FCM 709 - Foundations for Digital Forensics II, FCM 710 - Architecture and Vulnerabilities of Operating Systems, FCM 727 - Cybercriminology, FCM 740 - Data Communication, FCM 742 - Network Security, FCM 752 - Law and High-Tech Crime

Adjunct Lecturer (Math & Computer Science)

August 2024 - Present

Teaches undergraduate courses, developed curriculum, graded assignments, and provided academic support to students.

Courses: CSCI 274 - Computer Architecture, MAT 108 - Social Science Math, MAT 105 - College Algebra

Robert Half Technology, and The Creative Group - PC Technician

March 2024 - April 2024

Troubleshoot technical issues on Election Day in NYC, including iOS device setup, printer and Wi-Fi fixes.

CTFd LLC - Cyber Security Content Developer Intern

August 2023 - November 2023

- Creating engaging cybersecurity content challenges like Crypto, Web, Reversing, Networking, Forensics, solved by using tools like Wireshark, Cyberchef, John the Ripper, DNS Tricks with Kali, Shodan aimed at developing practical resources.
- Collaborating with cybersecurity professionals to ensure accuracy and quality of produced materials.

MTA - Data Analysis | RFCUNY Student Intern

July 2022 - May 2023

Department of Subways, MOW Engineering - Research Foundation of CUNY

- Tracked and analyzed structural condition data for Subway transportation structures using EAM/Hexagon database system.
- Assisted senior engineers in preparing reports and identifying investment opportunities based on data analysis.
- Utilized MS Power BI, MS Access, SQL, and DAX to create dashboards and quantitative models for portfolio management.

CUNY Tutor Corps - Computer Science & Math Tutor

Feb. 2022 - June 2022

Brooklyn Studio Secondary School | CCNY - College Assistant

Tutored high students in Web Development, C++, and Python by collaborating with the host teacher on lessons and projects.

VOLUNTEER EXPERIENCES

Code Nation - Web Development Leading Teacher

Dec. 2023 - June 2024

Science Skills Center High School for Science, Technology and the Creative Arts

Teaching students to HTML, CSS, jQuery, and JavaScript projects for web development in a semester-long curriculum

Cultured Kids Cuisine - Web Developer | Remote

Nov. 2022 - May 2024

Created a dynamic web platform with HTML/CSS, JavaScript, React, and Bootstrap using Figma designs, as well as integrating Firebase for content management and driving growth by adopting cutting-edge technologies.

CLUBS & AWARDS

JJAY International Student Association (ISA) | *The Secretary & Treasurer Position.*

Spring 2022 - 2023

JJAY Campus Activity Board (CAB) | *General Representative Position*

Spring 2022

JJAY Dean List Awards

Fall 2019, Spring 2021 - 2023

JJAY Scholarship of Acceleration Program

Summer 2022

HI TECH PREP Mathematics Scholarship

Spring 2023