

Samira Akram

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EDUCATION

John Jay College of Criminal Justice (CUNY)

New York, NY

Master of Science in Digital Forensics & Cybersecurity | *GPA: 4.0*

Aug. 2024 - Expected in May 2026

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

May 2023

Relevant Courseworks:

Forensics Mgt Digital Evid, Cyber Threat Intelligence & Risk Assessment, 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, Java

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

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

Languages: Bengali (Fluent - Spoken, Intermediate - Reading & Writing), 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 (CUNY) - Adjunct Lecturer (Math & Computer Science)

Aug. 2024 - Present

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

Courses: Computer Architecture, Social Science Math, College Algebra

John Jay College (CUNY) - Graduating CS Teaching Assistant

Jan. 2025 - July 2025

Support MS in Forensic Science students with coursework, resolving academic challenges, and collaborating with instructors to enhance learning.

Courses: Mathematical Statistics for Forensic Analysis, Foundations for Digital Forensics II, Architecture and Vulnerabilities of Operating Systems, Cybercriminology, Data Communication, Network Security, Law and High-Tech Crime, Cryptography, Database & Data Mining

Robert Half Technology, and The Creative Group - PC Technician

March 2024 - April 2024

Troubleshoot technical issues include iOS device setup, system setup, ballot-count devices, printers, and Wi-Fi fixes on Election Day in NYC.

CTFd LLC - Cyber Security Content Developer Intern

Aug. 2023 - Nov. 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

John Jay College (CUNY) - Graduate Research Mentor | Hybrid

June 2025 - Aug. 2025

Mentoring undergraduate students in developing secure Django-based web applications, focusing on real-world research to prevent concurrent logins and improve session integrity in online exam systems.

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