Samira Akram

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EDUCATION

John Jay College (CUNY)| GPA 3.7 — New York, NY

Bachelor of Science in Computer Science and Information System Security & Math Minor — May 2023

Relevant Courseworks:

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: Windows, 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)

EXPERIENCES

Code Nation - *Web Development Leading Teacher | Volunteer* — Dec. 2023 - Present
Science Skills Center High School for Science, Technology and the Creative Arts
● Teach students about Intro to Web Development using HTML, CSS, jQuery, JavaScript
● The structure contains 7 units with projects, and one semester focuses on Units 1-4 (about 30 lessons).
● Spark interest in tech careers through projects and field trips.

Cultured Kids Cuisine - *Web Developer | Remote - Volunteer* — Nov. 2022 - Present
● Developed a responsive web application using HTML/CSS, JavaScript, React, and Bootstrap from Figma wireframes.
● Managed website content and integrated data from back-end services using Firebase, leading to increased user base and profits.
● Stayed up-to-date with emerging technologies and industry trends to incorporate them into operations.

CTFd LLC - *Cyber Security Content Developer Intern* — August 2023 - Nov. 2023
● Creating engaging cybersecurity content, including challenges and educational materials.
● Learning and applying cybersecurity techniques and tools to develop informative 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
● Provided 20 hours a week of assistance to high school students in Web Design and Python programming.
● Established mentoring relationships with students and tracked their progress
● Collaborated with the host teacher to review lesson plans and provide support to students in need.

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