Fardeen Khalid Mazumdar

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Profile

Highly motivated newly graduated Computer Science student at York University focusing on **computer security** and **software development**. Action-oriented individual with a sense of efficient marketing, teamwork, problem-solving and critical thinking skills.

Education

York University | Bachelor of Science (Honours), Computer Science   **Fall 2023**
- ***Coursework:*** Applied Cryptography, User Interfaces, Data Structures, Object Oriented Programming, Introduction to Database Systems, Design and Analysis of Algorithms, Computer Security Laboratory

Past Work Experiences

CCTV Operator | York University – Security Services   **August 2021 – Present**
- *Monitoring all the cameras that are available on the Keele/Glendon campuses of York University*
- *Ensuring the best possible security measures take place at all times*

Software Developer | Ministry of Children, Youth & Social Services **(Co-Op)** **October 2021 – April 2022**
- *Assisting the Development team under the Children, Youth and Social Services I&IT Cluster on testing the **Child Protection Information Network (CPIN)***
- *Utilizing the **IBM Curam Software** to test/develop CPIN primarily via **Java/Selenium***

Smart Systems Intern | Mackenzie Health **(Co-Op)**   **January 2021-April 2021**
- *Aiding the rollout of various technical initiatives under ICAT such as **RTLS, Vocera, MyCare** to support patient care at the new Cortellucci Vaughan Hospital, **Canada's first smart hospital**.*
- Performed rigorous **MRT Testing**, along with assisting in the setup of various **databases**.

Projects

Discord Bot | Java, Maven
- *All-purpose bot using the **JDA API** with custom implemented commands manipulating app features.*
- ***Thumbnailator API** is also implemented to manipulate images to send back to the user.*

Ransomware Implementation | Python
- *Developed with the capability to encrypt different folders using several encryption and decryption methods such as **XOR, AES, RC4, RSA, ECC.***

Technical Skills

- **Programming Languages:** *RISC-V, Unix, C/C++, Java, JavaScript, HTML, CSS, Verilog, SQL, Python*
- **Tools/Frameworks :** *MS Office Suite, Unity Game Engine, Eclipse, Android Studio, Pycharm, Sony Vegas Pro, Bootstrap, React, Selenium*