

# Fardeen Khalid Mazumdar

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## Profile

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Highly motivated 3<sup>rd</sup> year Computer Science student at York University seeking a Summer 2021 Co-op position focusing on **computer security** and **network infrastructure**. Action-oriented individual with a sense of efficient marketing, teamwork, problem-solving and critical thinking skills.

## Education

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**York University** | Bachelor of Science (Honours), Computer Science

**Expected Fall 2022**

- **Coursework:** Applied Cryptography, User Interfaces, Data Structures, Object Oriented Programming

## Past Work Experiences

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**Smart Systems Intern** | Mackenzie Health (**Co-Op**)

**January 2021-Present**

- *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**.

**Head Trainer** | Times ASL Call Center

**December 2017-July 2018**

- *Taught basic computer skills to several individuals as part of the **SEIP (Skills for Employment Investment Program)***
- *SEIP, a project jointly funded by the government of Bangladesh and the Asian Development Bank, increasing one's proficiency in using the **Microsoft Office Suite***

**Mobile Game Developer Intern** | Appnometry Ltd.

**August 2017 – December 2017**

- *Providing assistance for one of the few mobile **game developers** in Bangladesh in **Java**, **Unity game design** along with **Quality assurance***
- *Contributed to several ideas to projects such as **Clean Footpath**, **Heli Rescue**, **Paper Plane**, etc. all available on the **Google App Store***

## Projects

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**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

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