# Muhammad Khan

Information System Security Student at Sheridan College
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## EDUCATION

**SHERIDAN COLLEGE**
HONOURS BACHELOR OF APPLIED INFORMATION SCIENCES (INFORMATION SYSTEMS SECURITY)
April 2023 | Oakville, ON

## LINKS

Email:// faheem5948@gmail.com
Website:// **m-faheem-khan.github.io**
Github:// **M-Faheem-Khan**
LinkedIn:// **muhammad-faheem-khan**

## SKILLS

### PROGRAMMING
- C
- Bash/Shell
- Python
- Javascript
- Markdown
- HTML
- CSS
- Java (Learning)
- Go (Learning)
- LaTex

### FRAMEWORKS
- NodeJS
- ReactJS
- GatsbyJS
- React-Native
- Expo
- Express.js
- Mongoose
- Firebase
- Flask
- Git
- SQL

### CERTIFICATIONS
- CPR & First Aid
- M001: MongoDB Basics Course
- Password Cracking Tool Fundamentals
- Cryptography Fundamentals
- Developing Ethical Hacking Tools with Python

## EXPERIENCE

### STEM1
SYSTEM ADMINISTRATOR
June 2018 – Present | Mississauga, ON
- Configure and Install software and hardware
- Setup Microsoft Active Directory for system and user account management
- Provisioned virtual machines and hardware as per business needs
- Ensured systems security through access control, backups and firewall (Network Miner and Nagios)
- Created technical documentation, manuals and IT policies
- Troubleshoot issues and outages

CODING INSTRUCTOR & CURRICULUM DEVELOPER
June 2018 – Present | Mississauga, ON

- Teaches Python, Scratch, Dash-n-Dot,
- Lessons created with emphasis on proper form, convention and efficiency
- Adaptable teaching methods, providing individualized education for each student

### 31PRINTS  | FULL STACK DEVELOPER
December 2018 – July 2019 | Mississaugam, ON

- Created 360 image capture program used to generate full body 3D model mesh using 120 Raspberry PI's
- Extensively documented program for users and other team members
- Developed the program using python, flask, jinja2, Sqlite3, custom linux services, & bootstrap

### MACKLAB - UNIVERSITY OF TORONTO  | RESEARCHER - COOP
January 2018 – May 2018 | Mississauga, ON

- Researched on AI models with Tensorflow library
- Image Classification with InceptionV2, InceptionV3 and Mobilenet models
- Trained different Convolutional Neural Network models on images of birds
- Created Python scripts to monitor the performance of each model and its accuracy
- Used different mathematical formulas to calculate the distance between images and to create matrices of the collected data

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## INTERESTS

**INTERESTS**

- Open-Source Software
- Hacking
- Network Communication Protocols
- Cryptography
- Linux
- System Automation
- Hackathons
- Capture The Flag (Vulnhub, PicoCtf)
- Public API's
- Coding Challenges (Edabit)
- Indie & Scifi Video Games • Mr. Robot

## PROJECTS

### RECBUDDY  Recbuddy Inc.

- Currently creating a more efficient solution to attendance and grading of students and participants in recreational based programs
- Tools used: React-Native, React, Redux, mongoDB/Firebase, Google Maps API
- Designed using Figma, a prototyping system
- Using UI/UX design concepts, Apple's Human Interface Guidelines

### INTIME  Hack The North

- A FitBit App which shows the user the 3 closest transit stops, and displays the next departure times at each stop
- Used React Native, Firebase Functions, the HERE API and FitBit Studio

### NUTSHELL  RU Hacks

- Created a document summarizing web application, called Nutt-Shell that summarizes documents
- Generated links for definitions of keywords in documents
- Used NodeJS, Google Cloud Vision (OCR Detection), Google Cloud Language (NLP), Meaning Cloud (Summary), HTML, CSS, and JS.

### TEMPSEND

- A secure way of sharing your files over the internet.
- It allows users to set file download and time expiration limit.
- Used MonogDB, Express, Bcrypt, ReactJS & Electron.

### 24HR - BLOG

- Blogging Platform that resets every 24 Hours
- Allows users to anonymously post, edit and delete
- Used MERN Stack (MongoDB, Elecetron, ReactJS, NodeJs).

References Available on Request