Janpreet Swatch

janpreetswatch@gmail.com | 647-861-1337 | janpreetswatch.xyz | github.com/janpreett

EDUCATION

McMaster University Hamilton, ON

B.Tech in Software Engineering Technology   *Sep 2022 - Present*
Relevant Coursework:
- Data Structures and Algorithms, Parallel Programing, Artificial Intelligence, Software Architecture, Network Technologies
- Mathematics V, Linear Algebra, Discrete Mathematics

Humber College Toronto, ON

Advanced Diploma in Computer Engineering Technology   *Sep 2019 - April 2022*
Relevant Coursework:
- Programming in C and Java, Web Programming, Unix Scripting, Real-Time Systems, Electric Circuits, Cloud Computing
- Technical Mathematics, Differential and Integral Calculus

PROJECTS

Web Portfolio - *HTML, CSS, Javascript*
- Created and implemented a web portfolio using HTML, CSS, and JavaScript to showcase technical skills and projects.

Machine Learning & Spam Email Detection - *Python*
- Developed a Python-based spam email detector with a 98.5% accuracy rate.
- Utilized Multinomial Naive Bayes and CountVectorizer for effective model training.
- Implemented a user-friendly file testing, enabling users to upload files for spam prediction.

RFID Lock System - *Python, Android Studio, Java, Git*
- Designed and built an RFID lock system using Arduino and RFID reader.
- Successfully achieved door unlocking using RFID card.
- Implemented functionality to record real-time door unlock/lock times in an external database.
- Developed an Android app with Java in Android Studio, offering a user-friendly interface for door unlock/lock.

TECHNICAL SKILLS

Programming Languages	**Skills**
- Python - HTML/CSS	- Git (Version Control) - Azure (Cloud)
- C - Javascript	- Problem Solving - Team Collaboration
- Java	- Communication - Adaptability