

# Janpreet Swatch

[janpreetj@mcmaster.ca](mailto:janpreetj@mcmaster.ca) | 647-861-1337 | <https://www.linkedin.com/in/janpreet-swatch>  
| [github.com/janpreett](https://github.com/janpreett) | [janpreetswatch.xyz](https://janpreetswatch.xyz)

## EDUCATION

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### **B.Tech in Software Engineering Technology**

*Sept 2022 - Present*

McMaster University Hamilton, ON

Relevant Coursework:

- Data Structures and Algorithms, Parallel Programming, Artificial Intelligence, Software Architecture, Network Technologies
- Mathematics V, Linear Algebra, Discrete Mathematics

### **Advanced Diploma in Computer Engineering Technology**

*Sept 2019 - Apr 2022*

Humber College Toronto, ON

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

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### **Web Portfolio | Personal - HTML, CSS, Javascript, Git**

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

### **Machine Learning & Spam Email Detection | Academic | Grade Achieved 95% - Python**

- Developed a Python-based spam email detector with a 98.5% accuracy rate.
- Utilized NLP algorithms like Multinomial Naive Bayes and incorporated CountVectorizer for effective model training.
- Implemented a user-friendly file testing, enabling users to upload multiple files at once for spam prediction.

### **RFID Lock System | Academic | Grade Achieved: 90% - 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

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### **Programming Languages**

- Python - HTML/CSS  
- C - Javascript  
- Java

### **Skills**

- Git (Version Control) - Azure (Cloud)  
- Problem Solving - Team Collaboration  
- Communication - Adaptability