Maesha Mahmud +1 438-630-5665 •[maesha3133@gmail.com](mailto:maesha3133@gmail.com) • [LinkedIn](http://www.linkedin.com/in/maéshamahmud) • [GitHub](https://github.com/mash3133)

**TECHNICAL SKILLS**

**Operating Systems │** Windows • Linux • Git • GitHub • Gerrit

**Programming │**Java • Python • SQL • C# (.NET framework) • JavaScript • C/C++ • Dart

**Web Development │** Flutter • Node.js • ExpressJS • MySQL • HTML • CSS • JavaFX • Bootstrap

**Other │** Figma • Illustrator • Adobe XD • Jupyter Notebook • Docker • Azure

**Spoken Languages │** French • English • Bengali • Spanish

**EDUCATION**

**Bachelor of Computer Science – COOP** September2023 – August 2026

Concordia University, Montreal, Québec

**DEC in Computer Science and Mathematics** September 2021 – May 2023

Vanier College, Montreal, Québec

**EXPERIENCE**

**Information Management** May 2023 – September 2023

Hatch, Montreal, Quebec

* Data visualization using Power BIto, retrieved information: SQL, RESTful APIs, using BashonUnix.
* Designed UI’s using Figma to implement new project management systems (wireframing and web flow using Visio).
* Worked with VR and visualizing 3D models (AutoCAD, ProjectWise)
* Developed a reservation system for hybrid work mode, optimizing the utilization of office spaces using .NET programming framework (using C# language) with Visual Studios.

**Software Developer** September 2024 – December 2024

Ericsson, Montreal, Quebec

* Currently working in mobile and app development using Android Studio (Dart)
* Working on IMS and VoLTE, 5G, and technologies like Linux, virtualization, and containerization.
* Using scripts on Linux (Debian) using Bash; managed virtual machines (Hyper-V) and deployed containerized applications with Docker.

**PROJECTS**

**Photoelectric Effect Simulation** April 2023

* Java application of the photoelectric effect simulation using agile, including sprints (Trello)

**Projectile Motion Simulation** April 2022

* Java simulation application that models the projectile motion implemented with JavaFX, Scene Builder, and CSS

**PROFESSIONAL ASSOCIATIONS**

**Mentor** for **Women in Engineer (WIE)** September 2021 – present

* Supporting and giving guidance to younger girls interested in STEM

**Director of Technology** for **Software Engineering and Computer Science Society** September 2023 – present

* Website's user interface design using Figma and CSS, HTML, JavaScript, MongoDB and React

**Vice-President of Design** for **HackConcordia** September 2023 – April 2024

* Designed the marketing and UIs for the website using tools such as Figma, Photoshop and Illustrator

**Project Manager** for **Codelle** September 2023 – April 2024

* Delivered workshops focused on CSS, HTML**,** andJavaScript, to young girls in CEGEP

**COMPETITIONS**

**ENGxCOMM** April 2024

* Case competition: engineering challenge presentation to engineering and commerce panel.

**PharamaHacks** March2024

* Trained machine learning based LLM to predict using massive datasets. Utilized tools such as Dandiset, Matplotlib in Python for datavisualization, and applied linearregression techniques to analyze code and model the data effectively

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**COMPÉTENCES TECHNIQUES**

**Operating Systems │** Windows • Linux • Git • GitHub • Gerrit

**Programmation │**Java • Python • SQL • C# (cadre .NET) • JavaScript • C/C++ • Dart

**Développement Web│** Flutter • Node.js • ExpressJS • MySQL • HTML • CSS • JavaFX • Bootstrap

**Autres │** Figma • Illustrator • Adobe XD • Jupyter Notebook • Docker • Azure

**Langues Parlées│** Français • Anglais • Bengali • Espanol

**ÉDUCATION**

**Baccalauréat en Informatique – COOP** Septembre2023 – Août 2026

Université Concordia, Montréal, Québec

**DEC en Informatique et Mathématiques** Septembre 2021 – Mai 2023

CEGEP Vanier, Montréal, Québec

**EXPÉRIENCE**

**Gestion de l’Information** Mai 2023 – Septembre 2023

Hatch, Montréal, Québec

• Visualisation de données avec Power BI, récupération des informations : SQL, APIs RESTful, en utilisant Bash sous Unix.

• Conception d'UI avec Figma pour de nouveaux systèmes de gestion de projet (wireframing et webflow avec Visio).

• Travail avec la RV et visualisation de modèles 3D (AutoCAD, ProjectWise).

• Développement d'un système de réservation pour le mode de travail hybride, optimisant l'utilisation des espaces de bureau avec le cadre de programmation .NET (langage C#) sous Visual Studio.

**Développeuse de Logiciel** Septembre 2024 – Décembre 2024

Ericsson, Montreal, Quebec

• Travail en cours dans le développement mobile et d'applications avec Android Studio (Dart).  
• Travail sur IMS et VoLTE, 5G, et des technologies comme Linux, la virtualisation et la conteneurisation.  
• Utilisation de scripts sous Linux (Debian) avec Bash ; gestion de machines virtuelles (Hyper-V) et déploiement d'applications conteneurisées avec Docker.

**PROJECTS**

**Simulation de l’Effet Photoélectrique** Avril 2023

• Application Java simulant l'effet photoélectrique en utilisant la méthode agile, incluant des sprints (Trello).

**Simulation du mouvement d’un Projectile** Avril 2022

• Application de simulation Java modélisant le mouvement d'un projectile, implémentée avec JavaFX, Scene Builder et CSS.

**ASSOCIATIONS PROFESSIONELLES**

**Mentor for Women in Engineer (WIE)** September 2021 – present

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