

Mohsin Rehman

mohsinrehmaninfo@gmail.com | 647-915-5775 | Toronto, ON | mohsinrehman.me/portfolio | [LinkedIn](#) | github.com/MohsinRehman12

Education

Bachelor of Engineering - Software Engineering

April 2025

Ontario Tech University

Oshawa, ON

- **Relevant Coursework:** Artificial Intelligence, Web Programming, Operating Systems, Data Structures & Algorithms
- **Awards:** Presidents List x3, Dean's List

Technical Skills

Languages: Java, JavaScript, Python3, C/C++, PHP, HTML5/CSS, SQL, Solidity

Frameworks: Next.js, Express.js, React, Tailwind, Bootstrap

Technologies: Node.js, Linux, MySQL, MongoDB, Git, Docker, Hardhat, Google Cloud, Excel, Visio

Experience

Engineering Intern - Network Analyst

September 2023 – September 2024

Bombardier Aerospace

Hybrid- Mississauga, ON

- Developed a cross-compatible **Python script** for automating switch configurations across **Cisco and Juniper** switches, reducing outsourcing costs.
- Engineered and optimized Python scripts to monitor and manage network health across **4 sites (Chicago, Dallas, Tucson, Wichita)**, each with over **1,000 employees**, enhancing network security by detecting unauthorized devices.
- Automated **network data collection** and reporting with a Python script, reducing report generation time from minutes to seconds.
- Collaborated with vendors and internal teams to integrate network solutions, ensuring smooth transitions, and supporting network operations at multiple sites.

Data Administrator

May 2021 – November 2021

Decent Marble

Toronto, ON

- Implemented and developed database designs incorporating data models to monitor inventory, sales, and statistics for **\$130,000** annual revenue business.
- Tested programs and databases to identify issues and make necessary modifications.
- Communicated with stakeholders to define problem areas with operations and created custom solutions to address future growth and scalability of business operations.

Projects

[SocialMo](#) | *React, MongoDB, Express.js, Node.js, Socket IO*

- Developed a responsive **Full stack Social Media** Application which implemented an authentication system, and built Home, Messenger, and Profile Pages.
- Added the ability to post images, update user profile information, and **real-time chatting between users**.

[Algovisualizer](#) | *React.js, Node.js, Express.js*

- Created a Web application for visualizing a variety of algorithms including **Sorting, Pathing, and CPU Scheduling** algorithms.
- Implemented interactive features, allowing users to adjust animation speed and dataset size for a more comprehensive understanding of algorithmic behavior.

[Choices](#) | *React.js, Node.js, Solidity, Hardhat, MetaMask*

- Created a **Decentralized voting web application** developed upon blockchain technology.
- Leveraged **MetaMask** for authentication and secure voting, and utilized the **Ethereum Blockchain** to ensure the system was **immune to tampering**.

[Content Based Image Retrieval](#) | *Python, NumPy*

- Led a team of 3 in the development of a Python application that analyzes dataset of 100 images and identify the most similar image with an accuracy rate > **70%**.
- Authored a research report highlighting the implementation details and performance analysis, resulting in a grade of **100%**.