

Mohsin Rehman

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Education

Bachelor of Engineering – Software Engineering

April 2025

Ontario Tech University – Oshawa, ON

- **Coursework:** Artificial Intelligence, Web Programming, Operating Systems, Data Structures & Algorithms
- **Awards:** Presidents List x3, Dean's List x2

Skills

Languages: Python3, Java, JavaScript, 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.
- Collaborated with vendors and internal teams to integrate network solutions, ensuring smooth transitions, and supporting network operations at multiple sites.

Software Developer

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

[NBA Lineup Prediction](#) | Python, Scikit-learn, pandas, NumPy

- Collaborated in a team of 3 to develop a **machine learning model** that predicts missing NBA lineup players using a dataset of over **16,000+ NBA lineups** spanning multiple seasons.
- Achieved **81% accuracy and F1-score**, winning **1st place** in a class-wide competition.

[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**.

[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.