Sahil Mahey

 Github-Sahil Mahey LinkedIn-Sahil Mahey sahil-mahey.com smahey@mun.ca +17097284046

EDUCATION

Memorial University of Newfoundland   May 2020 - Present
Bachelor of Science in Computer Science (Hons)   *Current GPA: 3.66/4.0*
The coursework is related to Data Structures and Algorithm, Software Engineering, Data Visualization, Computer Networking, and Artificial Intelligence.

SKILLS

Programming Languages: C++, Java, Python, C, JavaScript

Web Development Technologies: React.js, HTML5, CSS3, Bootstrap, Node.js, jQuery, Express.js

Data Visualization Technologies: Pandas, Seaborn, Matplotlib, Geopandas

Database Management: MongoDB, SQL, Postman API

PROJECTS

Data Structures and Algorithms (Link) | *C++, Leetcode*   November 2023 - Present
- This GitHub repository features solved LeetCode coding problems in C++.

Data Science Projects (Link) | Pandas, Matplotlib, Scikit-learn, Seaborn, Geopandas   April 2023 - December 2023
- This repository currently contain two academic projects: one visualizes Canadian air safety data over 25 years, while the other delves into building a Logistic Regression model using the Wine Dataset to study the impact of varied data preparation techniques on predictive performance.

React Projects (Link) | *React.js, React Router, MealDB API, Local Storage, Git, VS Code*   May 2023 - July 2023
- This github repository features multiple React projects with their live website links for easy access and exploration.

Front-end Projects (Link) | *HTML5, CSS3, JavaScript, Bootstrap, Local Storage*   September 2022 - January 2023
- This github repository features multiple front-end projects with their live website links for convenient exploration.

EXPERIENCE

Memorial University of Newfoundland | *Software Developer*   September 2023- Present

- Implemented a highly efficient search functionality in a web application **(Link)** , leveraging Remix, TypeScript.js, PostgreSQL, Python and Docker, enabling users to seamlessly explore chemistry compounds and filter results based on specific properties.
- Collaborating closely with the development team to optimize the website's user interface and experience using Chakra UI, resulting in a more user-friendly and visually appealing design.

CSIpix Forensic Software | *Software Developer Intern*   May 2023- August 2023

- Developed C++ code utilizing Microsoft Foundation Classes (MFC) and Dynamic Link Library (DLL) to integrate with existing CSIpix software, enabling extraction and display of data from binary and XML NIST files in a table format.
- Implemented manual editing, copy and printing capabilities, enhancing functionality and usability in the software.
- Collaborated with the team to conduct comprehensive pre-release testing of CSIpix's new software, actively identifying and diagnosing errors, including critical points leading to crashing of software.

GAO Tek Inc. | *Software Developer Intern*   November 2022- February 2023

- Debugged and successfully build different C++ projects using Microsoft Visual Studio.
- Completed the code files provided by the team manager using the C++ programming language.
- Collaborated with business development team in expanding the company products by contacting the clients on LinkedIn.