MOHAN VASHIST

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TECHNICAL STRENGTHS

Programming Languages	Python, JavaScript, C/C++, Java, Bash, SQL
Software & Tools	HTML 5,CSS 3, React, React Native, MongoDB, Unix, Jenkins, Docker, Ansible, Neo4j, Flask, AWS, Azure, GCP, Git

EDUCATION

University of Toronto   *January 2022*
Major in Computer Science, minor in Statistics and Economics   Cumulative GPA: 3.3

WORK EXPERIENCE

DBRS Morningstar, Toronto   January 2021-August 2021
Software Engineer   *C#, JavaScript, SQL*

· Created a new and more efficient **full stack** application for the **Credit Ratings** team decreasing page **loading speed** by half.
· Improved the **stability** of legacy and new applications through **data cleanup(SQL)** and bug fixes

National Bank of Canada, Toronto   January 2019-August 2019
Software Engineer   *Python, Java, Agile*

· Wrote **Python** code that **automated** compliance tasks and informed stakeholders about **fees and positions**, increasing productivity and reliability by 15%
· Fixed production server to **reduce the downtime** by 100% and increase efficiency for the entire team

OPEN SOURCE CONTRIBUTIONS

Surpriver   **Python, Machine Learning**
Find high moving stocks before they move using anomaly detection and machine learning

- Contributed to a project on Github which has **over 750 stars** by adding **support for Crypto curriences** as well as **fixing undiscovered bugs**

PROJECTS

Texture Synthesis Research Project   **Python, Computer Vision**
Expand and fill an image to extend what it looks like seamlessly

- Research project focused on texture synthesis by non parametric sampling adapted from researchers at UC Berkley

- Implemented an **efficient Python algorithm** that utilizes the techniques of texture synthesis, thus enhancing upon the research from UC Berkley

CryptoViz   **Python, JavaScript, React**
Watch list and live prices for Crypto Currencies

- Built **High Performance** Python back end that utilizes the **FastApi framework** and the **Uvicorn ASGI server**

- Created an elegant front end that is built with **React** and integrates the **TradingView** charting library

Planit   **Python, JavaScript, React Native, Agile**
Itinerary and trip planning mobile application for both iOS and Android

- **Lead** a team, gave **technical directives** and followed the **agile methodology** to produce a cross platform **Android** and **iOS** using **React Native**

- Integrated **multiple API's** including the **Google Places**, and **Google maps** API with a **Flask** backend.

Personal Website   **TypeScript, React, Next.js, Serverless Functions, GitHub API**
Personal Website which hosts a showcase for my projects and articles written

- Used Serverless Functions to fetch my repos and their stats using the GitHub API

- Followed material design patterns