

MOHAN VASHIST

🌐 mohanv.me, 📧 MohanVashist1, ✉ mohan.vashist@mail.utoronto.ca

TECHNICAL STRENGTHS

Programming Languages Software & Tools

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

EDUCATION

University of Toronto

Major in Computer Science, minor in Statistics and Economics

January 2022

Cumulative GPA: 3.3

WORK EXPERIENCE

DBRS Morningstar, Toronto

Software Engineer

January 2021-August 2021

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

Software Engineer

January 2019-August 2019

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

Find high moving stocks before they move using anomaly detection and machine learning

Python, Machine Learning

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

PROJECTS

Texture Synthesis Research Project

Expand and fill an image to extend what it looks like seamlessly

Python, Computer Vision

- 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

Watch list and live prices for Crypto Currencies

Python, JavaScript, React

- 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

Itinerary and trip planning mobile application for both iOS and Android

Python, JavaScript, React Native, Agile

- 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

Personal Website which hosts a showcase for my projects and articles written

TypeScript, React, Next.js, Serverless Functions, GitHub API

- Used Serverless Functions to fetch my repos and their stats using the GitHub API
- Followed material design patterns