

Rohan Mistry

rohan.mistry@mail.utoronto.ca | 647-550-0767 | rohanmistry.tech | linkedin.com/in/mistry-rohan | github.com/mistryrohan

Education

University of Toronto

Bachelor of Science – Computer Science, PEY/ASIP Internship Stream

Toronto, ON
September 2021 – Present

Work Experience

Software Engineer Intern

BlueCat

May 2024 – Present
Toronto, ON

- Contributed to a **TypeScript and React front-end overhaul**, implementing new functionality, optimizing components, and fixing critical defects to accelerate a major product release
- Developed REST API endpoints in Java**, resolved back-end defects, **fixed PostgreSQL queries**, and wrote system tests using JUnit to enable real-time front-end updates and **reduce test failures by 15%**
- Wrote and maintained Jest test suites to **increase coverage by 30%** and ensure code quality was maintained
- Supported team onboardings for the new UI, performed **code reviews**, and provided guidance to ensure smooth transitions for new engineers

Software Developer

UNICEF

September 2023 – December 2023
Toronto, ON

- Developed an open-source web application using Python, JavaScript, and React to replace a proof-of-concept in an agile team for **over 100 UNICEF offices** worldwide to save licensing costs
- Implemented a cloud-based version control feature** using Firebase and Flask to allow large teams to effectively manage multiple dashboards and propagate changes to clones
- Created a cloning feature across multiple instances of Superset to allow for a seamless transition between staging and production environments to reduce deployment time

Data Science Course Development Assistant

University of Toronto – Department of Statistics

May 2023 – August 2023
Toronto, ON

- Integrated Python data analysis and visualization libraries like Pandas and Statsmodels into coding and tutorial exercises to enhance the understanding of applications of data science techniques for **over 600 students**
- Coordinated collaborative efforts using Git and **created comprehensive unit tests** resulting in effective management of issues, code reviews, and updated lecture material

Projects

CLI-fy – Spotify Statistics Visualizer | React, JavaScript, Next.js

- Built a terminal-style Spotify statistics visualizer using Next.js and React that lists users' top artists and songs using the Spotify Web API
- Used OAuth to authenticate users and deployed using Vercel to have changes reflect easier

Interactive Scheduling System | React, JavaScript, Django, Python, SQLite

- Developed a meeting scheduling platform using React, Django, and the MVT architecture to ensure performance and maintainability of services
- Implemented REST APIs and user authentication, enabling robust frontend and backend interactions

Technical Skills

Languages: Python, Java, TypeScript, JavaScript, C, HTML/CSS

Frameworks: React, Django, Next.js, Flask, Scikit-Learn, Pandas

Utilities: Git, PostgreSQL, JUnit, Jest, AWS, Selenium, SQLite, Firebase