

# MILIND VISHNOI

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## EDUCATION

**Honours Bachelor of Science (Computer Science)**, University of Toronto (CGPA: 3.6) Sept 2018 - Dec 2022  
2x Dean's List: Awarded for High Academic Performance

## EXPERIENCE

**TD Bank - Software Engineering Intern** May 2022 - Sep 2022 | Toronto, ON

- Lead 2 major internal projects for TDI (TD Insurance) as a software engineer to access orders and clients
- Migrated the order monitoring application from **AngularJS** to **Angular 12** increasing the application speed by 5x
- Developed a **CI/CD** pipeline to automate building and deploying on **Azure** using **Jenkins**, **Java** & **Tomcat**
- Identified and fixed a security vulnerability within the order monitoring application by using **Postman**

**Edsembli - Junior Developer** May 2021 - Sep 2021 | Toronto, ON

- Collaborated with a team of 10 developers to create an HR Payroll Software solution for K-12 education helping clients streamline all process of employee lifecycle management
- Resolved 50+ bugs (4 critical) on modules related to employee information & time sheets
- Worked with the **.NET** & **AngularJS** frameworks, and used the **Chrome Developer tools** to improve security & launch speed

**University of Toronto - Teaching Assistant** Jan 2021 - Present | Toronto, ON

- Facilitated weekly labs for **Python** programming, basic **algorithm construction** & introductory **complexity analysis** to help 120+ students grasp material taught in classes
- Created assignment to test Dictionary, File I/O and List concepts in **Python**

**Grey Software - Software Engineering Apprentice** June 2020 - Sep 2020 | Toronto, ON

- Collaborated with a product lead and a designer on engineering the Material Math ([link](#)), a mental math practice web app based on specs from **Github Issues** and **Figma** designs
- Built the Material Math app with **Quasar**, a cross platform app framework that uses **Vue**, **TypeScript**, and **Material Design**

## PROJECTS

**SIGNify - A Mobile App That Translates ASL to Text and Speech** [Github](#), [Video Demo](#)

- Worked in an **Agile** team of 4 to build a mobile app with **Flutter** and **Firebase**
- I led the team as the **ML/Frontend Engineer** & **Project Manager**
- **Top 10** worldwide & awarded 1000 USD in the **Google Solution Challenge 2022**
- Created a sequential **CNN** model with a 99% accuracy & used it to provide real-time feedback utilizing **Tensorflow**

**CourseOfAction - A Web App To Help UofT Students Score 4.0s** [Github](#), [Video Demo](#)

- Built a web application with **React** and **TypeScript** to help UofT students keep track of their courses
- Redesigned the system architecture to reduce API usage by 50% using **Python Flask**, **Firebase NoSQL** database & **Redux**
- Developed a script that extracts the course information from the syllabus pdf by using **Pandas**, **Python** & **Flask**
- Improved security by using UofT servers, creating custom **firewall**, disabling CORS & hashing IDs