

# MILIND VISHNOI

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## OBJECTIVE

Former national-level Squash player learning new technology to solve problems like unorganized Downloads folder & managing courses

## EDUCATION

**Bachelor of Science (Computer Science & Statistics Major)**, University of Toronto (CGPA: 3.6)

Sept 2018 - Dec 2022

2x Dean's List: Awarded to high academic performer

## EXPERIENCE

### Software Engineering Intern

Toronto, ON

TD Bank

May 2022 - Current

- Worked with a team of 10 engineers to develop the TD Investing desktop application by creating customer summary module to help TD employees get an overview of the customer financial information by using **Angular, Java, .NET & Tomcat**

### Founder

Toronto, ON

HoopUp

May 2021 - Current

- Developed **core components** such as smart text fields, authentications modules, git control of cross-platform application to speed up development process by using **React Native, Bash, Trello & NodeJS**
- Assisted in **designing, structuring, choosing core tech stack** & delegated responsibility to solidify the business models

### Teaching Assistant

Toronto, ON

University of Toronto

Jan 2021 - Current

- Held weekly labs for **Python** programming, basic **algorithm construction** & introductory **complexity analysis** to help students grasp material taught in classes by facilitating discussions, giving presentations and live coding sessions

### Junior Developer

Toronto, ON

Edsembli

May 2021 - Sep 2021

- Implemented various modules such as employee information, employee timesheet, etc in Edsembli's HRP solution using **.NET framework** with **AngularJS** which helped the company to develop a web based solution
- Resolved 50+ bugs (4 critical) by using **Chrome Developer tools** to improved security, launch speeds & application logic

### Core Software Developer

Toronto, ON

Grey Software

Jun 2020 - Jan 2021

- Reported directly to CEO** for improving business model & it's representation on the website using **Nuxt & Quasar**
- Utilized **bash scripts** for **formatting, editing & automating git restrictions** making development process smoother & uniform

## PROJECTS

### SIGNify

A mobile app that converts ASL to text and speech ([github](#))

- Selected as **Top 50** of the **Google Solution Challenge 2022** & working with a Google Engineer to improve **UI/UX** design
- Worked in **Agile** with a team of 4, where I worked as a **ML Engineer, Frontend Engineer & Project Manager**
- Created a sequential **CNN** model with an accuracy of 99.8% using **Tensorflow** & implemented history feature using **Flutter & Firebase**

### CourseOfAction

A web application built with **TypeScript** to help UofT students keep track of their courses and score 4.0s ([github](#))

- Designed and implemented the system architecture to **reduce API** usage by **50%** using **Redux, React & NoSQL** database
- Created a script that extracts the course information from the syllabus pdf to create new courses by using **Pandas, Python & Flask**
- Improved security by using **React** with **TypeScript**, UofT servers, creating custom **firewall**, disabling **CORS** & hashing IDs using **SHA256**
- Utilized user driven adaptive development process which helped improving the **UI/UX** & adding new features like **Email notification**

### GameFace

A platform to have unbiased reviews on the various games out there ([github](#))

- Optimized application **API** by **20%** by changing data scheme using **Postman** & developed UI/UX using **React & Material UI**
- Developed user **authentication module** in **NodeJS** & improved developer experience by creating middlewares for authentication

## LEADERSHIP & VOLUNTEERING

### Technical Lead

Toronto, ON

Google Developer Student Club

Aug 2020 - May 2022

- Lead workshops attended by 1000+ students to teach them about **React, DevOps, Game Development, MongoDB, AWS & Docker**
- Hosted mock interviews & panels for students looking for internships
- Created & maintained the Computer Science Student Community (CSCC) website ([link](#)) by using **Vue, NuxtJS, Vuex & Tailwind**

## SKILLS

**Languages & IDEs** Python, Javascript, Haskell, C/C++, Bash, Java, TypeScript, CSS, VS Code, Visual Studio, Webstorm, Pycharm, IntelliJ

**Frameworks** React, Vue, AngularJS, NodeJS, Flask, Pandas, Numpy, sci-kit, React Native, JavaFX, Vuex, Redux, .NET, JUnit, PyTest

**Database & Others** MongoDB, PostgreSQL, MySQL, Git, Latex, Heroku, Postman, Chrome Developer Tools, Docker, AWS