

# MILIND VISHNOI

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## EDUCATION

**Bachelor of Computer Science & Statistics**, University of Toronto (CGPA: 3.52)

2018 - Exp. Dec 2022

Dean's List: Awarded to high academic performer

## EXPERIENCE

### Founder

Toronto, ON

HoopUp

May 2021 to Current

- Developed **core components** such as smart text fields, automate testing, git control of cross-platform application to speed up development process by using **React Native**, **Bash** & **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 to 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 to 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+ with 4 critical bugs by debugging using **Chrome Developer tools** & **Postman** which helped in faster launch of features.

### Core Software Developer

Toronto, ON

Grey Software

Jun 2020 to 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

### Material Maths

A math application to help students improve their mental maths with 2000 users/year ([github.com/grey-software/Material-Math](https://github.com/grey-software/Material-Math))

- Created a scoring system using state management tools (**Vuex**) & **TypeScript** to gamify the process of learning with a mentor
- Added a configuration module with different practice modes to determine what students want to practice worked

### GameFace

A platform to have unbiased reviews on the various games out there ([github.com/milindvishnoi/GameFace](https://github.com/milindvishnoi/GameFace))

- Worked in **Agile** with a team of 5, where I worked as a **Full Stack Developer**.
- Created a **RESTful API** to perform **CRUD operations** on users & games using **NodeJS** & **MongoDB** & designed & developed UI by utilizing **ReactJS** with **Bootstrap**, **MaterialUI** & **Figma**
- Developed user authentication module in **NodeJS** & improved developer experience by creating middlewares to check for authentication.

### CardsMadeEasy

A JS library to help frontend developers create container objects for their applications ([github.com/milindvishnoi/CardsMadeEasy](https://github.com/milindvishnoi/CardsMadeEasy))

- Added functionality to easily manage multiple containers with responsiveness and maximum customization to all device sizes
- Created animations & custom carousel using **CSS** & **JavaScript** to ease development process for a developer

### Download-Folder-Organizer

An application to keep your download folder organized ([github.com/milindvishnoi/Download-Folder-Organizer](https://github.com/milindvishnoi/Download-Folder-Organizer))

- Created a **Python** application to keep any of your folders organized by click of a button using **OS**, **Watchdog** libraries.

## LEADERSHIP & VOLUNTEERING

### Technical Lead

Toronto, ON

Google Developer Student Club

Aug 2021 to Current

- Lead workshops attended by 400+ students to teach them about various technologies.
- Hosted interview preparation & panels for students looking for internships.

### Technology Officer

Toronto, ON

UTM Computer Science Student Community

May 2020 to Apr 2021

- Created & maintained the Computer Science Student Community (CSSC) website with a in-built course manager ([github.com/utm-cssc/website](https://github.com/utm-cssc/website)) to help students keep update with their courses using **Vue**, **NuxtJS**, **Vuex** & **Tailwind**

## SKILLS

**Languages & IDEs** Python, Javascript, 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