

Vinesh Benny

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SKILLS

**Languages** : Python, JavaScript (React Native), Java (Functional and OOP), C, bash/zsh, mongosh, Cypher, SQL, Git, L<sup>A</sup>T<sub>E</sub>X, Scheme, Prolog, Assembly  
**Tools** : Android Studio, Jira, Docker, TeXStudio, GitHub, MongoDB, PostgreSQL, Neo4j, Replit, discord.py, Figma, Express.js, Vim/Neovim, Visual Studio Code, IntelliJ, Mars

EDUCATION

**University of Toronto** Sep 2020 – Present  
*Honours Bachelor of Science, Computer Science Co-op* Ontario, Canada

- **Specialization:** Software Engineering
- **Cumulative GPA:** 3.79
- **Awards:** University of Toronto – International Scholar, University of Toronto Scholar, University of Toronto Scarborough Dean’s List
- **Coursework:** Software Engineering, Data Structures and Algorithms, Databases, Computer Systems, Software Design, Software Tools and System Programming, Principles of Programming Languages, Computer Organisation

EXPERIENCE

**Teaching Assistant** Jan 2022 – Aug 2022  
*Software Tools and System Programming (CSCB09)* University of Toronto - Scarborough Campus, Ontario

- Conducted tutorials with 40+ students for the course with 100% approval from students.

**Tutor** May 2021 – Aug 2021  
*Software Tools and System Programming (CSCB09)* University of Toronto - Scarborough Campus, Ontario

- Tutored two students in CSCB09 resulting in both students understanding and performing 20% better in later assignments and exams.
- Created solutions for past finals from 2015 – 2020 which were used by 60+ students in the course.
- Furthered understanding of C, bash/zsh and built communication skills through tutoring.

**Tutor** Jun 2019 – Aug 2019  
*Sixth Formers’ Association of Students* Freeport, Trinidad and Tobago

- Educated younger children by working with a group of tutors, increasing the students’ grades by 10% in the following semester.
- Communicated empathetically with younger students to teach them complex concepts by working with tutors.

PROJECTS

**Data Structures – Bloom Filters, Heaps and AVL Trees (C)** Jan 2022 – Apr 2022

- Implemented various data structures in order to understand their applications in real world use.

**Startup App – Pawsup (JavaScript)** Sep 2021 – Dec 2021

- Collaborated with a team of developers to create a full-stack progressive web app for a startup using MongoDB, Jira, React Native, Node.js and Express.js.

**Zoomer – Microservices API (Java)** Sep 2021 – Dec 2021

- Created a containerized microservices API using Docker, Neo4j, PostgreSQL and MongoDB to build a ridesharing API in Java.

**Discord bot – Kanye Weast (Python)** Aug 2021 – Present

- Collaborated with a fellow student to create an always-on Discord bot through Replit which is used by 200+ of users daily.
- Generated lyric info for songs from a specific artist and webscrape data for Pokémon, using BeautifulSoup, geniuslyrics, PokeAPI Python APIs

**Medical Clinic App (Java)** Jul 2021 – Aug 2021

- Used Android Studio, Git and Agile methodologies to create medical app for doctors and patients.

**Binary File creation (C)** Jun 2021 – Jul 2021

- Created a program to create a binary tree and save to a file, as well as multiple other programs to read and manipulate said tree.