



Vinesh Benny

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SKILLS

Languages : Python, JavaScript (React Native), Java (Functional and OOP), C, bash/zsh, mongosh, Cypher, Haskell, SQL, Git, Subversion, \LaTeX , Scheme, Prolog, Assembly

Tools : Android Studio, Jira, Docker, TeXStudio, GitHub, MongoDB, PostgreSQL, Neo4j, Replit, Figma, Express.js, Vim/Neovim, Visual Studio Code, IntelliJ, Mars, Dagger, JUnit, HUnit

EXPERIENCE

Software Engineer

Sep 2022 – Dec 2022

BlackBerry QNX

Mississauga, Ontario

- Working on the kernel of the *POSIX-compliant QNX real-time operating system*, used by Automakers such as BMW, Bosch, Ford, Mercedes-Benz, as well as in medical devices, robotics, transportation and industrial embedded systems industries.
- Working in the integration team in a customer-facing role where the major task is debugging the kernel with focus on *thread communication, synchronization, and process scheduling*.

Teaching Assistant

Jan 2022 – Aug 2022

Software Tools and System Programming (CSCB09)

University of Toronto - Scarborough Campus, Ontario

- Created solutions for past finals from 2015 – 2022 as a resource used by 100+ students in the course.
- Enhanced understanding of *C, bash/zsh* by conducting tutorials with 40+ students for the course with 100% approval from students.

EDUCATION

University of Toronto

Sep 2020 – Present

Honours Bachelor of Science, Computer Science Co-op

Ontario, Canada

- **Specialization**: Software Engineering
- **Awards**: University of Toronto – International Scholar, University of Toronto Scholar, University of Toronto Scarborough Dean's List

PROJECTS

Discord bot – Kanye Weast (Python)

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.

Startup App – Pawsup (JavaScript)

2021 – 2021

- Collaborated with a team of developers to create a full-stack *progressive web app* for petowners to connect with pet-sitters and vice-versa using *MongoDB, React Native, Node.js* and *Express.js*.
- Followed the *Agile Development* methodology with weekly deliverables.
- Used *Jira* for project tracking and *Git* for version control with advanced *gitflow* use.

Medical Clinic App (Java)

2021 – 2021

- Used *Android Studio* to create medical app for doctors and patients to keep track of appointments and medical history.
- Deployed a *Firebase* database to store doctor and patient information.
- Followed the *Agile Development* methodology with biweekly deliverables, while using *Subversion* for version control.