# Tanisha Dhami

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## Skills summary

**Languages:** Python, C, C++, Java, Typescript, JavaScript, HTML5, CSS3, SQL, R, Kotlin, Golang
**Technologies:** TensorFlow, Git, Data structures, Algorithms, React, Linux, Bash scripting, MongoDB

## Education

**University of Waterloo** *BCS in Computer Science, Specialization in AI*              *Sept 2022 – Dec 2026*
- GPA: 92% (transcript ↗)
- **Coursework:** OOPs, Data structures, Algorithms (advanced), OS, Computer Architecture
- **Scholarships ($19,500):** From University scholarships for academic excellence and engagement

**Technical courses** *Online*
- 2023 Coursera: Understanding SQL syntax (certificate ↗)

## Experience

**Software Engineer Intern**                                                         *San Francisco, CA*
*Rippling*                                                                            *May 2025 – Aug 2025*
- Designed and built the complete internal console for a new **Banking** product using **Django (Python)**, **Typescript** and **MongoDB**, removing the need to access user data directly in prod
- Implemented end-to-end tracking and debugging of applications and payment requests using **temporal**
- Allowed generation of monthly account statements and sending emails to users with role-based permissions

**Software Engineer Intern**                                                         *Toronto, ON*
*Secoda*                                                                             *Jan 2025 – Apr 2025*
- Built analytics dashboard by storing metrics in **S3** from nightly **celery tasks**, then fetched and displayed the data as widgets using **React** and **Typescript**
- Generated dynamic cover image for page with widgets using asynchronous **cron jobs**
- Improved prompt engineering for advanced output format; integrated anthropic models by structuring JSON.

**Software Engineer Intern**                                                         *Remote, Toronto, ON*
*Console One*                                                                        *May 2024 – Aug 2024*
- Independently built full-stack features using **React.js, JavaScript, AWS, Redis, Neo4j**
- Added functionality to make shared workspaces and publish them to a community from scratch
- Designed and built a robust search functionality using vector search with pagination, enabling efficient data retrieval with schema using multiple fields and user interaction history

**Full-stack Developer and Research Assistant**                                      *Waterloo, ON*
*University of Waterloo*                                                             *May 2023 – Aug 2023*
- Part-time RA for the project "Rhetoricon", researching how rhetorical figures reflect brain structure
- Annotated literary figures for training **LLMs**, and fix issues, using **Golang**, **React**, **MySQL**, and **Docker**

**Backend Developer**                                                                *Remote, SF, CA*
*Matrice.ai*                                                                         *May 2023 – Aug 2023*
- Worked on the **python SDK** as the primary engineer, guided and reviewed code of other members
- Added ML dataset transfer process using API calls from **Amazon S3** to **MongoDB** using **Golang**
- Added the feature to the front-end as well, in **Javascript**, even though I was a backend engineer

## Projects

I have made a Kotlin mobile app ↗, a C++ interactive chess game ↗ with AI mode, a convolutional neural network for spiking neurons ↗, hosted a 10-week "Starting from Scratch" ↗ live Scratch course on Youtube, and more. Read more at my website ↗