Anish Khurana

University of Waterloo - Bachelor of Software Engineering
September 2021 - April 2026

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Skills

- **Languages**: Python, C/C++, C#, JavaScript/TypeScript, Java, HTML/CSS, PHP, GraphQL, Ruby, Go
- **Frameworks & Libraries**: React, React Native, Next.js, jQuery, Flask, FastAPI, Ruby on Rails, TensorFlow, PyTorch, Scikit-Learn, Jest, Playwright, Pytest
- **Technologies & Tools**: Node.js, PostgreSQL, MongoDB, Firebase, Supabase, AWS, GCP, Git, Unix, Raspberry Pi, Unity, Android, iOS, Blockchain

Work Experience

Zoocasa - QA Automation Developer   *September 2025 - December 2025*
- Executed comprehensive end-to-end QA testing for new features, identifying and documenting **50+** defects across staging and production while collaborating with engineers to deliver timely, high-quality releases
- Engineered and maintained automated test suites using **Jest** and **React Testing Library**, driving a **~40 % increase in test coverage** and reducing manual regression time
- Took initiative to develop and fix features across the **full stack**, contributing to **React/Next.js** services on the frontend and **Ruby on Rails/Go** services on the backend to improve data integrity within a **multi-tenant architecture**.
- Participated in a **company-wide hackathon**, building a beta feature that enables users to view **immersive 360° virtual tours** generated directly from real estate listing photos.

Microart Services Inc - Software Engineering Intern   *September 2023 – December 2023 & January 2025 – April 2025*
- Streamlined and expanded the user reviews flow built during a prior term by optimizing navigation logic and database interactions, **reducing submission time by ~30%** and aligning the feature with updated product requirements
- Built an in-app firmware update experience for a Bluetooth-enabled mobile app, enabling **100% of supported device users** to perform guided, state-driven firmware updates via **Firebase-backed BLE communication** with error recovery
- **Enhanced data retrieval performance by 33%** through optimized **PostgreSQL RPCs** within Supabase, maintaining query accuracy while significantly improving response times
- Developed a high-volume web scraper in JavaScript, **extracting 100K+ records** with complex filtering logic and storing them in a PostgreSQL database

VCT Group - Software Engineering Associate   *May 2024 - August 2024*
- Refactored a major website section using **TypeScript**, **React**, and **Java**, **reducing technical debt by ~30%** and modernizing the UI and endpoints
- Applied **domain-driven design (DDD)** to restructure the app's architecture and documented full-stack data flows, streamlining onboarding and aligning technical design with business requirements

Okos Smart Homes - Software Development Intern   *January 2023 - April 2023*
- Implemented a forgot password feature for the website and mobile app in **2 weeks**, following proper authentication guidelines
- Developed and maintained the UI of the website and mobile app for **20+ project managers** and **200+ technicians**

eButterfly - Project Team Member   May 2022 - August 2022
Waterloo Experience (WE) Accelerate Program - Manulife Modern Web Application Design Stream
- Completed approximately **100 hours of workshops** provided by Manulife, learning essential skills such as **JavaScript** and **Jest**, as well as **Event-Driven Architecture** and **Test-Driven Development (TDD)**
- Collaborated with a team of 5 developers to build an administration and customer-facing webpage for **50+ users** as part of the eButterfly Labs Project

Projects

Power Code (*devpost.com/software/power-code*)

- Created a 1v1 multiplayer coding game for **Hack the North**
- Utilized React and **Material UI** to implement the frontend and deployed the backend server on **Convex**
- The code checks from each of the questions' test cases were performed by a **FastAPI** server that is hosted on **Heroku**

Trivia King (*github.com/programmer812/Trivia-App*)

- Created a trivia app using **React Native** and **SQLite**, where users can attempt quizzes over multiple topics and their scores will be recorded in the device's internal storage

Math Notes to Latex Converter - Course Design Project (*github.com/rohanvedula/PaZaR*)

- Created a python program in a group project that uses **Raspberry Pi**, **OpenCV**, and **OCR** to capture the images and convert math equations into **LaTeX** characters as well as the PyLaTeX library to compile the LaTeX PDF documents