Samridhi Khosla

(780) 885-1590   Edmonton, Alberta 🇨🇦

EDUCATION

University of Alberta   Sep 2023 – Present
Bachelor of Science in Computing Science   Edmonton, AB

- **Coursework:** Introduction to Software Engineering, Algorithms I, File and Database Management, Web Applications, Machine Learning I, Computer Organisation and Architecture, Applied Statistics
- **Dean's Honour List:** Achieved 3.6 GPA in first and second year.

EXPERIENCE

University of Alberta   Jan 2025 – Jun 2025
Undergraduate Teaching Assistant   Edmonton, AB

- **Teaching Assistant for CMPUT 175** – Introduction to the Foundations of Computation II.
- Guided students on key computing concepts including Object-Oriented Programming (**OOP**), functional programming, and Abstract Data Types (ADTs).
- **Assisted 20+ students** per lab session **with programming tasks** and debugging**.**
- Held open office hours and responded to discussion forum queries, **supporting 600+ students with coding issues,** lab instructions, **and course concepts.**
- Graded lab assignments with constructive feedback to improve code efficiency and readability.
- Developed assignment marking schemes and provided class performance insights to the professor.

University of Alberta – Student Union   Jan 2024 – Present
Academic Tutor   Edmonton, AB

- **Tutored 5 students** from university and high school **in math and statistics.**
- Clarified course concepts, solved practice problems, and **helped all students achieve 80% or higher** in their tests.

PROJECTS

Head Movement Navigation – Chrome Extension
1st Place, Digital Accessibility Subcategory – HackED 2025

- Built a Chrome extension enabling users with quadriplegia (limb paralysis) to navigate webpages using only head movements.
- **Implemented face tracking with JavaScript and Face APIs** to translate facial movement into on-screen cursor control.
- Delivered a prototype within 24 hours, demonstrating rapid problem-solving and teamwork.

Feelin' – Android Application

- **Designed** and built a mood-tracking **app using Java and Firebase**, allowing users to journal emotions, set privacy levels, and view personal and friends' moods on an interactive map.
- **Integrated Google Maps and Places APIs** to enable location-based mood sharing.
- **Conducted UI testing using Espresso** to ensure a smooth and reliable user experience.

SKILLS & EXTRA-CURRICULARS

Technical Skills: Python, Java, SQL, Firebase, C, HTML, CSS, JavaScript, React, GitHub
UofA Activities:
- Vice President - External, Friends across Campus Club
- Academic Cohort Leader – Computer Science – Residence Life – University of Alberta