HEER KUMARI PERCHANI

+1(825) 889-6236 ◇ Edmonton, AB ◇ perchani@ualberta.ca ◇ linkedin ◇ github portfolio

EDUCATION

Bachelor of Science in Computing Science, University of Alberta　　　　　　　　Expected May 2027
Minor in Statistics
Dean's Honor Roll and **First Class Standing** with a GPA of **3.8** (2023 - 2024 / 2024 - 2025)

PROJECTS

Chrome Extension - Head Movement Navigation — **HackED 2025, DivE Category Winner**
Designed and implemented a computer-vision–powered **Google Chrome extension** using **JavaScript, FaceAPI.js, HTML, and CSS** to track head movements for smooth, hands-free **scrolling and navigation**, conducting extensive **data calibration and model testing** to ensure accurate motion detection and optimized **user interaction**.

Feelin' Developed a **data-driven** Android **Mood-Sharing application** using **Java, XML, NoSQL, and Firebase**. Designed and refined interactive **UI/UX layouts** with XML, implemented **data extraction and cleaning pipelines** to manage user mood data and **visualized insights on interactive maps**. Integrated privacy controls and optimized data retrieval workflows.

WORK EXPERIENCE

Teaching Assistant　　　　　　　　　　　　　　　　　　　　　　　　　　Sep 2025 - Present
University of Alberta

- Teaching Assistant for **CMPUT 175: Introduction to the Foundations of Computation II (Python)**
- Lead office hours and lab sessions for **130+ students**, providing help with course material and evaluating assignment submissions with constructive feedback.

Community Caretaker　　　　　　　　　　　　　　　　　　　　　　　　Sep 2025 - Present
St. Joseph's College

- Lead and organize community events, resolve resident conflicts, and foster a collaborative environment across the building.

Summer Camp Leader　　　　　　　　　　　　　　　　　　　　　　　May 2025 - Aug 2025
Faculty of Science, University of Alberta

- Co-led **8 Computing Science and Game Design camps** for youth in Grades 7–11, introducing **data analysis concepts** and fostering creativity through hands-on projects.
- Collaborated with a team of 3 to design and deliver engaging lessons and activities in advanced computing topics, fostering STEM interest and digital skills among youth.

LEADERSHIP EXPERIENCE

Director of Marketing　　　　　　　　　　　　　　　　　　　　　　　Aug 2024 - Oct 2025
Interdepartmental Science Students' Society

- Designed **25+** high-quality promotional posters and managed **20+** office hours supporting ISSS initiatives.

CERTIFICATIONS

- Google Data Analytics Specialization. (Coursera)　　　　　　　　　　　　　　　July 2024
  Completed an immersive program covering data cleaning, analysis, and visualization using spreadsheets, SQL, R, and Tableau, developing practical skills used by data analysts in day-to-day work.

SKILLS

Technical Skills　　Python, Numpy, ScikitLearn, Pandas, Matplotlib, C, HTML, CSS, Java, SQL