

CHETAN VIG

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SUMMARY

Highly motivated Computer Science student at the University of Alberta with a strong foundation in data structures, algorithms, and software development. Experienced in building AI-powered applications using Python and modern development tools. Seeking a Co-op Software Engineer position at Clio to contribute to the design, development, and deployment of high-quality software. Eager to apply strong communication and problem-solving skills in a collaborative, hybrid work environment.

EDUCATION

University of Alberta 2027
Edmonton, Alberta

EXPERIENCE

MacEwan Residence November 2024 – Present
MacEwan University Edmonton, Alberta

- Provided excellent customer service to students and guests, handling inquiries and facilitating check-ins/check-outs.
 - Maintained organized records and assisted with administrative tasks.

PROJECTS

Clubmate AI September 2025 – Present
Undergraduate Artificial Intelligence Society

- **LLM & Protocol Integration:** Developed a high-performance, Async Python service bridging an LLM via Model Context Protocol (MCP) to execute 17 standardized API tools for server automation.
 - **Security & Validation:** Implemented strict Role-Based Access Control (RBAC) using Discord roles for tool permissions, and enforced data reliability across all inputs using Pydantic schema validation.
 - **Quantified Impact:** Reduced club administrative burden by an estimated 80% (scheduling, moderation, outreach), freeing leadership time and measurably increasing member engagement.
 - **Technologies:** Python, MCP SDK, LLMs (OpenAI standard), Pydantic, Async/Await

SKILLS

Programming Languages: Python, C (C99), JavaScript/TypeScript, SQL

Data Structures & Algorithms: Proficient in fundamental data structures and algorithms.

AI/ML & Data: Machine learning, deep learning, LLMs, context engineering, RAG, PyTorch, Scikit-Learn, NumPy, Pandas

Web & Tools: React, REST APIs, PostgreSQL, Git, Linux CLI, Docker, Streamlit, PyTest

Other: OOP, Spec-driven development, Data Analysis Visualization, Critical Thinking, Communication Skills.

INVOLVEMENT

Perplexity

Edmonton, Alberta

September 2025 – Present

- Promoted Perplexity's Comet browser on campus through creative grassroots events and outreach.
- Collaborated with the growth team and student strategists to boost awareness and signups.
- Developed marketing and communication skills in a fast-paced, tech-driven environment.