

# Chetan Vig

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## Summary

Highly motivated Computer Science student at the University of Alberta with experience in developing AI-powered applications, particularly in the realm of generative AI. Currently building an LLM-based assistant using Python, APIs, and databases. Eager to apply expertise in prompt engineering, model optimization, and AI integration to contribute to innovative projects as a Generative AI Developer at CGI. Seeking an internship opportunity to leverage skills in AI/ML, web application development, and problem-solving to enhance AI capabilities and drive organizational goals.

## Skills

**AI / ML & Data:** Machine learning, deep learning, LLMs, context engineering, RAG, Prompt Engineering, Model Fine-tuning, PyTorch, Scikit-Learn, NumPy, Pandas, Seaborn, LangChain, LlamaIndex, Pinecone, Hugging Face, SpaCy, data analysis, visualization, feature engineering, hypothesis testing.

**Programming & CS:** Python, C (C99), JavaScript/TypeScript, SQL, data structures, algorithms, OOP, spec-driven development.

**Systems, Web & Tools:** React, REST APIs, PostgreSQL, Git, Linux CLI, Docker, Streamlit, PyTest, MCP / MCP SDK, AWS (learning).

## Projects

### Clubmate AI - Ongoing

September 2025 - Present

*Undergraduate Artificial Intelligence Society* ([github.com/UndergraduateArtificialIntelligenceClub/Clubmate-AI](https://github.com/UndergraduateArtificialIntelligenceClub/Clubmate-AI))

- Developed a high-performance, Async Python service bridging an LLM (OpenAI standard) via Model Context Protocol (MCP) to execute 17 standardized API tools for server automation, demonstrating strong integration of LLMs and API tools.
- Implemented strict Role-Based Access Control (RBAC) using Discord roles for tool permissions, and enforced data reliability across all inputs using Pydantic schema validation, showcasing expertise in security and data validation.
- Reduced club administrative burden by an estimated 80
- **Technologies:** Python, MCP SDK, LLMs (OpenAI standard), Pydantic, Async/Await.

## Experience

### MacEwan Residence

November 2024 - Present

*MacEwan University, Edmonton, Alberta*

- Provided excellent customer service for students and guests, handling check-ins, check-outs, and inquiries, demonstrating strong communication and problem-solving skills.
- Maintained organized records, managed mail and packages, and assisted with administrative tasks.
- Facilitated seamless guest and student experiences by efficiently addressing inquiries, coordinating check-ins and check-outs.

## **INVOLVEMENT**

September 2025 - Present

*Perplexity, Edmonton, Alberta*

- 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, distributed branded materials, and gathered feedback.
- Developed marketing and communication skills in a fast-paced, tech-driven environment.

## **Education**

**University of Alberta**

Edmonton, Alberta

2027 (Expected)