

CHETAN VIG

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Summary

Highly motivated Computer Science student at the University of Alberta seeking a Software Development Engineer Internship at Amazon. Proven ability to design, develop, and deploy innovative solutions using modern technologies, including AI/ML and cloud-native architectures. Passionate about building scalable and resilient systems that solve real-world problems and impact millions of users. Eager to contribute to a collaborative team environment and learn from experienced engineers.

Experience

MacEwan Residence - MacEwan University

Edmonton, Alberta

MacEwan Residence

November 2024 – Present

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

Projects

Clubmate AI - Ongoing

September 2025 – Present

Undergraduate Artificial Intelligence Society github.com/UndergraduateArtificialIntelligenceClub/Clubmate-AI

- **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, enhancing development productivity.
- **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.
- Utilized technologies including Python, MCP SDK, LLMs (OpenAI standard), Pydantic, and Async/Await.

Education

University of Alberta

Edmonton, Alberta

Bachelor of Science in Computer Science

Expected Graduation: 2027

Skills

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

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

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

Volunteer Experience

Perplexity

Campus Ambassador

Edmonton, Alberta

September 2025 – Present

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