

Lance Adhikari

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GitHub: [www.github.com/Lance-Adhikari](https://github.com/Lance-Adhikari)

PROFESSIONAL SUMMARY

Incoming University of Alberta Computer Science student with experience in full stack development, programming instruction, technical content creation, and conference presentations. Built and deployed platforms using Next.js, Supabase, PostgreSQL, Vercel, and Cloudflare, and grew Technolot YouTube channel to more than 200,000 subscribers. Interested in software development, cloud technologies, cybersecurity, and practical problem-solving.

EDUCATION

University of Alberta

Starting September 2026

Bachelor of Science in Computer Science | Edmonton, Alberta

- Recipient of the Adele MacInnis Scholarship

Dr. Anne Anderson High School

September 2023 – June 2026

High School Diploma | Edmonton, Alberta

TECHNICAL SKILLS

Programming: Python, JavaScript, SQL, PHP, HTML, CSS

Frameworks and Web Development: Next.js, Flask, React fundamentals, REST APIs

Databases and Cloud Platforms: Supabase, PostgreSQL, MySQL, Vercel, Cloudflare

Development Tools: Git, GitHub, Visual Studio Code, Jupyter Notebook, browser developer tools

Cybersecurity: STRIDE threat modelling, HTTP security, cookie security, authentication concepts, log analysis

Data Formats and Libraries: JSON, XML, CSV, pandas, NumPy

WORK EXPERIENCE

Code Sensei (Instructor)

May 2025 - Present

Code Ninjas Summerside | Edmonton, Alberta

- Guide young learners through programming, game development, and problem solving activities
- Explain coding concepts in accessible language and help students identify and correct errors in their projects
- Support individual student progress while maintaining an engaging and collaborative learning environment

Founder and Technology Content Creator — Technolot

July 2020 - Present

Self-Employed | Edmonton, Alberta

- Grew a technology and gaming YouTube channel to more than 200,000 subscribers
- Built and currently manage TechnolotApp, a Next.js and Supabase companion website that organizes channel resources and downloadable content: technolotapp.com
- Use audience analytics, search trends, and community feedback to improve content strategy and viewer engagement

PRESENTATIONS AND LEADERSHIP

Social Media and Communications Volunteer — BSides Edmonton 2025

Sep 22, 2025

- Created promotional materials and supported online communications for a community cybersecurity conference

Presenter — CANEFOR 2025

Aug 16, 2025

- Presented the use of artificial intelligence for environmental and biodiversity-related applications

Leaders in training Camp (LIT)

Aug 6-9, 2024

- TELUS World of Science • Edmonton

AWARDS AND CERTIFICATIONS

- Adele MacInnis Scholarship
- YouTube Silver Creator Award for surpassing 100,000 subscribers (Technolot)
- Google Cybersecurity Professional Certificate — Coursera, July 2025
- Dr. Anne Anderson High School Honours Award