Tewodros Abisso

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Professional Summary

Software Engineering student with strong foundations in C/C++, Python, and JavaScript, and hands-on experience building full-stack applications, backend APIs, and system-level programs in Linux and Windows environments. Experienced with the software development lifecycle, debugging, testing, and collaborative development. Actively building and refining projects involving REST APIs, modern web technologies, and AI-assisted systems, with a strong focus on clean design, reliability, and continuous learning.

Education

Bachelor of Software Engineering (B.Eng.)
Seneca Polytechnic — Toronto, ON
Expected Graduation: 2028 | Co-op Eligibility: Summer 2026

Technical Skills

Programming Languages: C, C++, Python, JavaScript, HTML, CSS
Web & Backend Development: React, Node.js, Express, RESTful APIs
Databases: MongoDB, MySQL
AI & Emerging Tech: AI agents, GenAI workflows, embeddings, retrieval-based systems (RAG)
Tools & Practices: Git, GitHub, Linux/UNIX, Windows, Bash, VS Code, Agile/Scrum, debugging, testing

Projects

Business AI Agent Prototype — Python, LangChain, FastAPI

- Built a GenAI-powered prototype for planning, content generation, and task automation.
- Implemented retrieval-based grounding using document chunking, embeddings, and vector search.
- Designed for rapid iteration, demo readiness, and controlled outputs.

Amazon-Style E-Commerce Application — React, Node.js, MongoDB

- Designed and implemented backend REST APIs for authentication, product management, and transactions.
- Applied modular service design and integration testing to improve scalability and maintainability.

Packet Parser — C++

- Developed a modular C++ packet parser using pointer arithmetic and dynamic memory management.
- Strengthened low-level debugging, performance analysis, and Linux-based development skills.

Netflix UI Clone — React

- Built a responsive front-end interface with search and category filtering using public APIs.
- Focused on reusable components and clean UI structure.

Core Strengths

Problem Solving • Analytical Thinking • Team Collaboration • Clear Communication • Adaptability • Continuous Learning