Cesar Augusto Vargas Santini | Junior Software Developer

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SUMMARY OF QUALIFICATIONS

- Experienced in developing full-stack, cloud-based, and AI-powered web applications.
- AI-focused computer engineer skilled in Python, C/C++, and data-driven development.
- Strong analytical, problem-solving, and teamwork skills shown through multiple technical projects.

EDUCATION

University of Toronto, Electrical and computer engineering **Toronto On.**

B. A. Sc. In Computer Engineering Expected: Oct. 31 2025

TECHNICAL SKILLS

Programming Languages: Python, C/C++, SQL (MySQL, PostgreSQL), MATLAB

AI / Data Tools: Scikit-learn, NumPy, Power BI, PyTorch, TensorFlow

Web & Cloud Technologies: Flask, Bootstrap, Jinja2, Render, Gunicorn, IBM Cloudant

Hardware/ Operating Systems: Arduino, Atmel, Raspberry Pi, Linux, Unix, Windows

PROJECT EXPERIENCE

Cesar AI — Interactive Portfolio Assistant | *Flask, Bootstrap, Llama 3.1, Replicate API*

- Built an AI-powered portfolio web app that answers visitor questions using custom contextual data.
- Deployed on Render with Gunicorn for scalability and production stability. Live Demo | GitHub

Multi-User Chat Server with Berkeley Sockets | *C/C++, MySQL*

- Designed a multi-threaded chat server and client supporting multiple chat rooms in real time.
- Used MySQL for client authentication and data storage. GitHub

A Cloudant REST API (To-Do List App) | *Flask, Bootstrap, Cloudant NoSQL*

- Created a CRUD web app with RESTful APIs and dynamic web pages using Jinja2 templates.
- Deployed on Render for production use. Live Demo | GitHub

Power BI Dashboard | *Power BI, Data Visualization*

- Built a data visualization dashboard for a transportation company's sales performance. GitHub

Barcode Inventory Management System | *C++, Qt Framework*

- Developed an inventory management tool with barcode scanning and database integration. GitHub

WORKING EXPERIENCE

City Ai May – Present

A.I. Software Engineer

- Designed and implemented an autonomous research system that crawls the web to identify emerging problems, inefficiencies, and business opportunities.
- Built a modular architecture with a custom web crawler, vector search index, and JSON-driven API pipeline for opportunity clustering and evaluation.