VANSH WAHI

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Education

University of Waterloo **Expected Graduation:** Apr 2027

Bachelors of Computer Science, Honors Program

Relevant Coursework: Data Structures, Algorithms, Operating Systems, Advanced Algebra, Combinatorics

Experience

Google May 2026 - Present

Software Engineering Intern *Sunnyvale, California*

- Designed and shipped auto-hillclimbing agent skills and reasoning workflows for Google AI agents, translating research prototypes into production used by internal teams
- Built evaluation and benchmarking frameworks to identify quality regressions, measure agent performance and accelerate iteration cycles for Gemini model quality improvements
- Partnered with Principal Researchers to define model metrics and demo agentic workflows to Core Labs

Snowflake Jan 2026 - April 2026

Software Engineering Intern *Bellevue, Washington*

- Delivered query engine optimizations for Apache Iceberg in Snowflake's Data Lake Storage platform, reducing query execution latency to 400ms
- Removed hard limits on file upload and table maintenance operations, unblocking 125+ enterprise customers and enabling larger data ingestion workloads

Amazon Web Services May 2025 - August 2025

Software Development Engineering Intern *Vancouver, British Columbia*

- Architected AI agentic workflows in AWS Payments deploying MCP servers on AWS Compute and fine-tuning LLMs to generate root-cause analyses and reprocess failed workflows
- Implemented RAG framework to optimize data retrieval through AWS services (S3, DynamoDB, ECS)

PointClickCare Sep 2024 - Dec 2024

Software Engineering Intern *Toronto, Ontario*

- Architected customer facing component APIs empowering developers across **5 teams** to build performant, accessible and intuitive health and patient diagnostic features
- Improved API and database queries efficiency by 25% refactoring Kotlin for **100,000 patient records**

Projects

PrePresent

AI integrated facial recognition software for presentation analysis *Python, Flask, OpenCV, PyTorch*

- Developed ML pipeline using TensorFlow to analyze live video feeds and detect emotions from live data
- Built custom regression models in PySpark to track and analyze communication patterns
- **Best project at Laurier and Waterloo Computing contest** for innovation

DeSales

B2B Self-Checkout Platform with live item scanning feature *Rust, NEAR protocol, Next.js, MongoDB*

- Built scalable backend infrastructure for high encrypted transaction volumes with load balancing and fault-tolerant mechanisms on the blockchain
- Utilizing NEAR Protocol built the platform on blockchain with RSA encryption for secure transactions
- Integrated NFT rewards and discounts into a customer-incentive program with Next.js, React and Express

Achievements

ICPC Coding Finalist – Finalist in the National Inter-Collegiate coding contest in Waterloo

Waterloo Blockchain – Director of Events and Head of Outreach managing multiple sponsors and partnerships

Skills

Languages: C, C++, Python, SQL, Java, Kotlin, JavaScript, TypeScript, ARM/MIPS Assembly

Frameworks: React, Node.js, Next.js, Django, PyTorch, FastAPI, TailwindCSS

Databases/Cloud: PostgreSQL, AWS, Redis, MongoDB, Vercel, Google Cloud Products, Firebase