

Yash Gandhi

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EDUCATION

University of Western Ontario

London, ON, Canada

Honors in Computer Science (HBSc.)

Expected April 2027

- **Awards:** 1st - TD Invent Pitch the Future, 1st - Ivey Sports Leadership Conference, 1st - WFN VentureX, 2nd - PBSN Pro-Bono Consulting Competition, 2nd - Aleph Interview Competition, 2nd - Bain Connect Conference

TECHNICAL SKILLS

Languages: Python, Typescript, C, C++, Java, JavaScript, SQL, HTML/CSS

AI & Analytics Tools: Agents SDK, n8n, Snowflake, Looker, Airflow, NumPy, MongoDB, Splunk, Databricks, W&B, LiteLLM

Infrastructure & DevOps: AWS, Git, Docker, Kubernetes, Terraform, Flask, Node.js, React.js, CI/CD

WORK EXPERIENCE

T-Mobile

June 2026 - Present

AI Engineering Intern

Seattle, WA

- Built a **patent-pending** multi-agent system converting carrier 911 telemetry into a **3-5 minute head start** on public emergency alerts, combining a deterministic safety gate with real-time network data to target at-risk users
- Validated system on live data across **5 emergency call centers** with **100% detection coverage**, identifying **6K** at-risk users inside the affected radius output gated by a deterministic safety check before any alert fires
- Built a **10-plugin** agentic SDLC pipeline spanning repro, automating 6/8 stages through root-cause analysis (**Splunk/W&B**), fix, MR, and post-deploy E2E validation cutting defect turnaround from **1-2 hours to 10 minutes**
- Built an AI triage system for A2P/RCS campaigns (**TypeScript, React, LiteLLM**): 5 LLM reviewers feed a judge model, **benchmarked at 95% agreement** with humans, collapsing **2-3 weeks** into minutes ahead of a **10-20x** volume increase

Super.com

May 2025 - August 2025

Vertical Operations Intern

San Francisco, CA

- Redesigned supplier data workflows and internal systems to improve customer experience, eliminating redundancies estimated to **reduce operating costs by \$100K annually** across business units company-wide, enhancing operational efficiency
- Engineered robust **SQL pipelines** in **Snowflake** and deployed dynamic **Looker dashboards** to track KPI's, streamlining overall data access and enabling product teams to drive **15% efficiency** improvements across key business units
- Automated dispute processing with **Airflow ETL pipelines** in Python, eliminating 40+ hours of weekly manual work and reducing manual error rates; solution scaled across departments and was presented to 450+ stakeholders at an internal demo

HotTakes

November 2023 - May 2025

Senior Product Operations

Toronto, ON, Canada

- Led **end-to-end product development** for the HotTakes app, from ideation and UI/UX design in **Figma** to iterative prototyping, user testing, and launch, achieving a **Top-100 Apple Store** ranking and strong engagement metrics
- Conducted **user research**, competitive benchmarking, and **A/B testing** to refine onboarding and engagement flows, enhancing product usability, higher retention rates, and significantly improving overall user satisfaction across key cohorts
- Designed and implemented **Python-based models** to forecast user behavior and financial trends, leveraging **pandas** and **NumPy** to inform product decisions and investor insights, and directly contributing to a **\$7.5M USD funding round**

PROJECTS

FlipperClaw 🐼 | C, C++, ESP-IDF, FreeRTOS, Furi SDK, Claude API

- Built an **on-device ReAct agent** on an **ESP32-S3** that runs a **tool-use loop** over **Claude**, with a **Flipper Zero** as the physical UI, communicating over a custom **UART protocol** with **Base64 framing** and structured message dispatch
- Implemented hardware skills for **NFC tag reading**, **Sub-GHz signal replay** (parsing .sub files with preset resolution via **FlipperFormat**), and **IR transmission** (parsed and raw signals), synchronized via **FreeRTOS semaphores** across tasks

Personal AI Assistant 🐼 | TypeScript, Next.js, Anthropic Claude API, Vercel

- Designed an **agentic tool-use loop** over **Claude Sonnet** with structured **JSON logging**, per-user rate limiting, and input validation, exposing integrations for web search with **Exa**, **Notion** task management, and **Linear** project tracking
- Implemented persistent per-user conversation history via **Upstash Redis** and cross-session long-term memory via **Supermemory**, deployed **serverlessly on Vercel** and exposed through a **Telegram bot** interface

To Have It Figured Out 🐼 | Vellum, Office, Amazon KDP

- Self-published a nonfiction book, reaching readers at major Canadian bookstores and **sold 1,500+ copies** in its first 60 days, **ranking #7 on Amazon's best-selling books**; praised for its honest storytelling and unique Gen Z perspective

INTERESTS & ACTIVITIES

Interests: Ice Hockey (Toronto Maple Leafs), Blog Writing (Substack), Formula 1, Sightseeing in Europe, Public Speaking, Golf

Clubs: Pre-Business Students' Network – President, Hack Western – Events, Western Founders Network – Industry