Hrishi Tailor

Waterloo, ON
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Education

Bachelor of Mathematics, Honours Mathematics (Co-op) **Sep 2025 – Dec 2030 (Expected)**
University of Waterloo *Waterloo, ON*

- President's Scholarship of Distinction ($2,000)

Skills

Languages: Java, Python, TypeScript, JavaScript, SQL, HTML/CSS
Frameworks: Spring Boot, Spring Security, Spring Data JPA (Hibernate), React, REST APIs
Cloud & Data: AWS (Lambda, S3, Athena), PostgreSQL, Flyway, Docker, Terraform, GitHub Actions, Git
Testing & APIs: JUnit 5, Mockito, Testcontainers, pytest, Stripe API, Claude API

Projects

Tailor Cards Website tailorcards.com
Java 21, Spring Boot, React, TypeScript, PostgreSQL, Stripe, GitHub Actions

- Built and run a live e-commerce site taking real orders: **Spring Boot REST API**, React/TypeScript and PostgreSQL
- Prevented one-of-a-kind items from selling twice with **JPA optimistic locking** and stock re-checks at checkout
- Shipped **TOTP two-factor admin login**, account lockout, CSP/HSTS headers and an append-only audit log
- Wrote **450+ unit and integration tests** (JUnit 5, Mockito, Testcontainers) run in CI on every pull request

AI Buylist Assistant *Private beta*
Java 21, Spring Boot, Claude API (tool use), REST APIs

- Built an **LLM buylist assistant** (private beta) that takes up to 1,000 items; the model identifies, Java prices
- Cut matching time for a 60-item list from **35.3 s to 16.6 s**, with a benchmark that fails the build on regressions
- Blocked **prompt injection** by rejecting model-emitted prices server-side; capped costs with rate and spend limits
- Run a **weekly LLM evaluation** in CI against golden conversations, failing on any regression from the baseline

Tailor Cards Data Pipeline & Analytics github.com/hrishi-tailor/Tailor-Cards
Python, SQL, AWS (Lambda, S3, Glue, Athena), Tableau

- Built an automated **AWS ETL pipeline** (Lambda, EventBridge) loading daily market prices into date-partitioned S3
- Designed **10 data-quality checks** (oversold stock, orphan records, price spikes) and 85 tests, run in CI

Experience

Founder & Operator **Sep 2024 – Present**
Tailor Cards *Waterloo, ON*

- Run a self-funded trading-card business with about **2,000 transactions** and **$30,000+** in sales volume
- Identified in-person selling as the bottleneck, taught myself full-stack development and built **tailorcards.com**

Head Programming Instructor **Jun 2026 – Sep 2026**
Boswin Robotics *Mississauga, ON*

- Owned the full Python and Java curriculum and managed a team of **4 instructors** while teaching **200+ students**
- Standardized lesson plans and debugging methods across every instructor's classes

Leadership

Executive, Finance & Growth – *UW Gujarati Student Association* **Dec 2025 – Present**

- Co-managed a **$73,000 budget** and operations for a **2,300-attendee** four-university event, booking vendors and sponsors

Outreach & Partnerships Executive – *UW Stocks Club* **Sep 2025 – Present**

- Taught investing fundamentals, led alumni and sponsor outreach, co-organized a **200-participant** trading competition