

Nasar Siddiqui

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EDUCATION

University of Saskatchewan

B.Sc. Computer Science, Minor in Mathematics; B.A. Honours in Philosophy

Saskatoon, SK

Expected Dec. 2027

EXPERIENCE

Founder

Apr. 2026 – Present

Civic Voice

Saskatoon, SK

- Built and shipped a cross-platform **React Native/Expo application** that aggregates Canadian legislative data and supports bill discovery, interest-based recommendations, saved content, representative feedback, and user notifications.
- Engineered **PostgreSQL/Supabase ingestion pipelines** for heterogeneous government data sources with scheduled refreshes, normalization, validation, caching, freshness tracking, and fallback handling to prevent stale or malformed upstream data from reaching users.
- Built an **LLM evaluation pipeline** that analyzed **1,500+ outputs across 500+ legislative documents**, compared **6 model/prompt configurations**, and converted **75+ identified failures** into regression tests, runtime guardrails, and production quality monitoring.

Software Consultant

Aug. 2026 – Oct. 2026

Taco King

Remote

- Built an **AI operations agent** that consolidated multi-channel order activity, detected operational issues, generated automated daily performance summaries, and identified sales patterns used to support staffing decisions during peak service periods.
- Improved **menu economics and operational consistency** by creating standardized recipe-cost sheets, calculating item-level margins, recommending pricing changes, and supporting supplier negotiations.
- Coordinated across **business owners, staff, suppliers, and third-party platform partners** to align requirements, resolve competing priorities, and make trade-offs across POS, delivery, menu, and launch decisions.

Software Consultant

Jun. 2026 – Aug. 2026

Erpre Barbershop

Remote

- Built a **React/TypeScript local-search analytics application** that transformed location-based Google Maps ranking data across Calgary into geographic visibility scores, competitor benchmarks, and prioritized recommendations.
- Built an automated **competitor-content analysis pipeline** that processed Instagram Reels and extracted scripts, hooks, captions, and recurring content patterns for comparison across competitors.
- Automated **data ingestion, trend analysis, and reporting**, tracking week-over-week and month-over-month ranking changes and generating scheduled email/PDF performance reports.

Product & Technical Lead

Aug. 2025 – Present

Sunny & Safe Saskatchewan

Saskatoon, SK

- Led a **3-developer team** using Agile practices, translating project goals into technical workstreams, assigning ownership, managing tickets, reviewing deliverables, and resolving blockers across software and hardware development.
- Led development of a **public-facing web application** and **UV-based sunscreen detection device**, integrating software and hardware components for public-health education and outreach.

PROJECTS

Encrypted Inference Gateway

Dec. 2025 – Mar. 2026

Python, FastAPI, CKKS, Pyfhel, OpenAPI 3.1, JSON Schema, GitHub Actions

- Built a **FastAPI gateway for privacy-preserving ML inference** with versioned **OpenAPI 3.1 / JSON Schema** contracts, layered request validation, and Python client-server workflows for CKKS-encrypted inference.
- Built reproducible plaintext-vs-encrypted benchmarks and optimized **CKKS context reuse**, reducing mean encrypted inference latency from **~311.9 ms to ~85.0 ms (~73% reduction)** and increasing throughput by **~2.5x** while preserving plaintext/encrypted output agreement.

TECHNICAL SKILLS

Languages: Python, Java, C, SQL, JavaScript, TypeScript

Frameworks: React, React Native, Expo, FastAPI, Node.js

Databases & Infrastructure: PostgreSQL, Supabase, Docker, Git, GitHub Actions

AI & Systems: LLM evaluation, RAG, AI agents, data pipelines, REST APIs, OpenAPI 3.1, JSON Schema, CKKS