

Aarib Sami

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EDUCATION

University of Guelph — Guelph, ON

Expected Graduation: 2028

Bachelor of Computing in Computer Science

GPA: 3.96/4.00, *Dean's List*

TECHNICAL SKILLS

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

Frameworks & Tools: React.js, Node.js, Spring Boot, FastAPI, Playwright, Supabase, Git, Docker, Postman, IntelliJ

AI & ML: PyTorch, Scikit-learn, RAG, Vector Databases, OpenClaw, n8n, LangChain

EXPERIENCE

AI Software Engineer Intern (Incoming)

May 2026

Amdocs

Mississauga, ON

- Building AI driven solutions on the Solution Architecture team reducing operational load for global telecom clients

Software Developer Intern

May 2025 – Dec 2025

Candescent

Waterloo, ON

- Optimized file processing algorithms in **Spring Boot**, reducing average API response times by **15%** and eliminating timeout errors for **500+** concurrent users during peak upload periods
- Built a bulk wire payment system using **React.js** and **TypeScript**, simplifying batch payment processing for **100+** companies through automated text file upload and customizable field mapping to database schemas
- Defined server storage allocation and upload limits by benchmarking CSV parsing performance across file sizes and formats, reducing storage overhead while preventing timeout failures for major financial institution clients
- Found critical edge cases in field mapping logic pre-release by writing Jest unit tests, achieving **90%** test coverage

PROJECTS

Company Policy Agent | *Python, FastAPI, React, TypeScript, Qdrant, Gemini, Inngest*

Apr 2026

- Created a searchable company policy knowledge base by building a **RAG** pipeline that chunks PDFs into 1,000 token segments, storing 3,072-dimension Gemini embeddings in Qdrant, powering quick sourced LLM answers
- Enabled self-service policy lookup through a FastAPI REST layer with throttles (20 queries/min, 5 ingests/hr) and a React + TypeScript frontend, resulting in safer rollout and controlled API spend
- Achieved zero failed responses during Gemini rate limiting and outages by implementing durable Inngest workflows with retries at each step and a fallback chain across 3 models
- Eliminated duplicate vectors on re-ingestion by batching up to 100 texts per Gemini API call and assigning UUID5 deterministic chunk IDs for idempotent Qdrant upserts, keeping the vector store clean across policy updates

furnish.ai | *React (TypeScript), Node.js, Supabase, Stripe, OpenClaw*

May 2025

- Built a full-stack AI SaaS using React, TypeScript, Node.js, and Express that digitally furnishes empty room photos for real estate photographers in **30–60 seconds**, onboarding **15+** users within the first week of launch
- Integrated **Stripe** Checkout API across **5** pay-as-you-go pricing tiers (\$8–\$300) with automated webhook handlers to instantly credit user generation balances upon purchase
- Distributed organic content through OpenClaw AI agents generating/posting before-after staging creatives using GenViral API, resulting in **300** Instagram followers with \$0 paid promotion

FireGuard AI | *Python, PyTorch, Flask, React.js, HTML/CSS*

Jan 2025

- Trained a two-layer feedforward neural network using PyTorch by preprocessing **6,000+** meteorological records and engineering 5 weather features for forest fire classification, achieving **88%** accuracy on test data
- Built a React frontend using react-map-gl and Mapbox satellite imagery enabling users to click anywhere on the globe to assess forest fire risk, providing actionable risk classifications and confidence scores
- Designed a Flask REST API with OpenWeatherMap integration that ingests live weather data, extracts meteorological features and executes model inference, returning tiered risk classifications and explanations