

# Shaurya Mittal

+1 (647) 961-7749 | shaurmittal@gmail.com | GitHub | LinkedIn

## EDUCATION

**University of Waterloo || Waterloo, ON, CA**

*Bachelor of Computer Science (Honours)*

2025 – Present

*Co-op Program*

## SKILLS

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

**Frameworks & Libraries:** React, Next.js, Node.js, Express, LLM APIs, RAG

**Cloud & Infrastructure:** AWS, Firebase, GitLab CI/CD, Docker

**Databases:** PostgreSQL, MongoDB, Firestore

**Tools & Practices:** Git, Figma, LaTeX, REST APIs

## EXPERIENCE

**AI Solutions Engineering Intern**

*Docebo Inc.*

May 2026 – August 2026

*Toronto, ON*

- ◊ Built and shipped a full-stack agent feedback dashboard (React, Glean OAuth, AWS CloudWatch/S3/Athena) giving agent owners self-service, role-scoped access to user feedback and eliminating manual data pulls previously done by the AI Operations team.
- ◊ Engineered a company-wide AI Tools & Product Directory (Next.js, MCP server, GitLab-backed) cataloging AI agents, apps, skills, and tools across the org, and shipped a personal capstone skill as a reference implementation for future contributors.
- ◊ Diagnosed a silent pagination bug in a Glean API client that was truncating agent data, then designed and shipped a reconciliation/soft-delete sync framework (with safety-rail caps limiting deletions to 30% per run) that keeps an 800+ agent catalog automatically in sync with its upstream source, eliminating manual cleanup.
- ◊ Audited the full Glean agent catalog end-to-end, identifying and removing 670+ stale, orphaned, or duplicate agents (a 67% reduction) and authoring the lifecycle/governance strategy adopted for ongoing catalog hygiene.
- ◊ Led a competitive evaluation of 5+ AI/no-code platforms (UnifyApps, Lovable, Softr, v0), producing a use-case coverage matrix and executive report that directly informed platform investment decisions.

**Mobile App Development Intern**

*Artesian Software Technologies LLP*

June 2024 – August 2024

*Mohali, India*

- ◊ Developed and optimized mobile application features using Swift and Flutter in a collaborative development environment.
- ◊ Worked with engineers to debug issues, improve app performance, and implement new functionality based on project requirements.
- ◊ Researched and evaluated mobile development tools and frameworks to support better performance and maintainability.

## PROJECTS

**FastAPI RAG Q&A Engine | Python, Qdrant, Streamlit, OpenAI API**

September 2026

- ◊ Improved retrieval accuracy from 62% to 84% Recall@5 by implementing and benchmarking AST-aware code chunking and cross-encoder reranking against a naive fixed-size baseline..
- ◊ Reduced hallucinated answers by identifying and fixing a multi-hop context-loss failure mode, measured via a custom LLM-as-judge faithfulness pipeline scored against a 50-question golden eval set.
- ◊ Built an authentic evaluation benchmark of 50+ real developer questions by mining closed GitHub issues on the FastAPI repo, avoiding the synthetic test data most RAG projects rely on.

**PulseChat – Real-Time Messaging Platform | MERN, Socket.io**

October 2025

- ◊ Built a full-stack real-time chat app with WebSocket-based messaging (Socket.io) supporting private chats, live presence, and persistent history.
- ◊ Designed REST APIs and MongoDB schemas to securely store users, conversations, and messages.
- ◊ Developed a responsive React frontend with real-time updates and conversation management.