

Issar Manknojiya

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EDUCATION

Western University

Bachelor of Science in Computer Science

London, ON, Canada

Expected April 2027

- **GPA:** 3.5
- **Relevant Courses:** Data Structures & Algorithms, Software Contruction, Digital Logic Systems, Software Design

TECHNICAL SKILLS

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

Frameworks: React.js, Node.js, Pytorch, TensorFlow, Next.js, FastAPI

Developer Tools: Git, Github, Linux, Unix, Jira, NumPy, Pandas, AWS, OpenAI, Cursor, Docker

WORK EXPERIENCE

DevFortress

May 2025 – Aug 2025

Software Engineer Intern

Montreal, QC

- Developed a **TypeScript-based** Obsidian plugin enabling seamless one-command transfer of Markdown notes to Athena AI with sub-300ms latency, preserving metadata such as titles, tags, links, and headings.
- Implemented secure JWT authentication system with token-based API access to Athena AI backend, handling login validation, secure token storage, and authenticated note scraping.
- Ensuring this Obsidian integration builds on **Google Workspace Collaborative Whiteboard** used by **2,000,000+** Google Meet users to sync and secure meet minutes, notes and research at once while accessing real-time AI chat interface directly within their Obsidian knowledge management workflow.

LEADERSHIP & CLUB EXPERIENCE

Tech for Social Impact

Feb 2025 – Apr 2025

Full Stack Software Developer

London, ON

- Built a financial literacy tool with **React, Node.js, & Auth0 SSO** while implementing a secure **Supabase** backend with row-level access, streamlining login and data security while reducing custom-auth dev by **50%**.
- Developed frontend designs of core user modules (Dashboard, Income, Expenses, Points & Rewards) with 4 other team members using **Figma & AI** cutting UI defects by **80%** and improving development speed by **35%**.

Western Developers Society

Oct 2024 – Mar 2025

Backend Software Developer

London, ON

- Helped build the backend features of a campus navigation tool using **React Native and Mapbox API** while using proper Git & version control practices working with 2 other developers.
- Leveraged floor designs for building hours and accessibility options, using GPS data and a custom-built chatbot to provide navigation routing for **30,000+ students**.

PROJECTS

AI Pull Request Dev Tool 🤖 | *React, Next.js, Typescript, TailwindCSS, PostgreSQL, OpenAI*

- Built an AI-powered code review tool that integrates with GitHub repositories, automating pull request analysis, and improving code quality for developers using Next.js, FastAPI, and OpenAI API.
- Enhanced efficiency by implementing **Celery + Redis** for asynchronous task processing, enabling real-time AI-generated code review feedback, reducing manual review time for developers.

Emberforge 🎮 | *C#, Unity, Git*

- Constructed a 3D action game using C# and Unity while leveraging Git version control and collaborating with 3 other team members throughout this group project.
- Implemented modular class hierarchies, interfaces, inheritance patterns, and UML diagrams while maintaining technical documentation.

AI Summarization API 🤖 | *FastAPI, LangChain, OpenAI API, Python*

- Developed a FastAPI-based server that fetches and processes url's, text, and pdf's into concise summaries with structured JSON output.
- Processed error handling for URL fetching, parsing, and summarization pipelines for scaling and reliability.