

Issar Manknojiya

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EDUCATION

Western University

London, ON, Canada

Bachelor of Science in Computer Science

Expected April 2027

- **GPA:** 3.4
- **Relevant Courses:** Data Structures & Algorithms, Digital Logic Systems, Software Design

TECHNICAL SKILLS

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

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

Developer Tools: Git, Github, Linux, Jira, NumPy, Pandas, , AWS

EXPERIENCE

DevFortress

May 2025 – Aug 2025

Software Engineer Intern

Montreal, QC

- Developing 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, headings, and frontmatter timestamps.
- Implemented secure JWT authentication system with token-based API access to Athena AI backend, handling login validation, secure token storage, and automatic session management for authenticated note scraping.
- Ensuring 1,000,000+ Athena AI LLM users can transfer and secure meet minutes, notes and research at once while accessing real-time AI chat interface directly within their Obsidian knowledge management workflow.

Tech for Social Impact

Feb 2025 – Apr 2025

Software Engineer

London, ON

- Creating a financial literacy tool with React, Node.js/Express, enabling **real-time tracking** of income, expenses, and savings, impacting **1000+ users** by implementing **Firebase** for secure data collection.
- Created mockup designs using figma for UML diagrams and front-end application development, ensuring a seamless user interface.
- Implemented a secure authentication system using **Firebase & AuthO**, ensuring **98% uptime** and data protection while leveraging **AWS for scalable hosting** and performance optimization.

Western Developers Society

Oct 2024 – Mar 2025

Software Engineer

London, ON

- Created a campus navigation system for Western University using React Native and Mapbox API, integrating 3D building models and **real-time GPS tracking**, resulting in an **45% improvement** in campus navigation.
- Developed an intelligent routing algorithm that factors in building hours and accessibility options, leveraging GPS data and a custom-built chatbot to provide navigation routing for **30,000+ students**.

PROJECTS

Emberforge 🍷 | C#, Unity, Git

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

AI Pull Request Dev Tool 🍷 | React, Next.js, Python, FastAPI, PostgreSQL, OpenAI, Docker, AWS Lambda

- 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.

AI Summarization API 🍷 | FastAPI, LangChain, OpenAI API, Python

- Developed a FastAPI-based server that fetches and processes web articles into concise summaries with structured JSON output.
- Implemented error handling for URL fetching, parsing, and summarization pipelines for scaling and reliability.