Issar Manknojiya

705-719-9009 | issar2005@gmail.com | linkedin.com/in/issar/7/ | github.com/issarmank

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

Deep Facial Recognition App | *Python, Tensorflow, Keras, OpenCV, Maplotlib*
- A facial verification using a Siamese network with over **500+** sets of data and **over 90% model accuracy**.
- Built embedding and distance layers for the training of the model and set the loss, optimizer, and step function
- Evaluated the model and compared results to expectations in real-time analysis with OpenCV and saved the model for further training and accurate optimization.

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.