

# Yaseen Sadat

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## EDUCATION

### University of Toronto

Bachelors of Science in Computer Science

Expected May 2027

Toronto, ON

- **Relevant Coursework:** Data Structures and Algorithms, Object Oriented Programming, Web Programming

## TECHNICAL SKILLS

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

**Frameworks:** React, Node.js, Express.js, Flask JUnit, NUnit, Tailwind CSS, Bootstrap, Jest

**Tools:** Git, GitHub, Docker, Jira, Jenkins, Firebase, VS Code, JWT

**Concepts:** REST APIs, DevOps, Unit Testing, UI, Object-Oriented Design, API Integration

**Extracurricular:** UofT Machine Intelligence Student Team — Backend Developer, Fashion Bot (Outfit Recommendor)

## EXPERIENCE

### Full-Stack Developer 🌐

May 2024 - August 2024

Lumenera

- Developed a **trading card platform** using **MERN stack**, allowing users to purchase, manage, and browse cards, while implementing secure authentication and an admin panel for seamless user and product management
- Optimized development workflows and reduced deployment errors by **40%** by containerizing services with **Docker** and automating **Jenkins CI/CD** pipelines, enabling seamless builds and reliable unit/integration tests
- Reduced manual bug tracking overhead by **25%** by automating **Jira** ticket creation for critical errors, enhancing code quality through **Jest** testing, and optimizing build pipelines to cut load times by **35%**
- Accelerated API performance by **40%** by designing **RESTful APIs** and optimizing **MongoDB**, enabling faster user session management, payments, and profile updates, while ensuring scalability and reliability
- Reduced page load time by **50%** by implementing lazy loading, code splitting, and optimizing asset delivery, enhancing frontend responsiveness and user retention

## PROJECTS

### InventoryHub 🌐 | C, Python, Flask, Bootstrap, Docker

January 2025 - April 2025

- Built a full-stack **inventory management system** using **Flask** and **Bootstrap**, featuring secure authentication, role-based access, and a responsive dashboard for efficient inventory tracking and management
- Increased data retrieval speed by **50%** by implementing in-memory caching with a custom C-based hash map, enabling constant-time lookups and optimizing inventory queries for real-time updates
- Reduced system overhead by **40%** by containerizing services with **Docker** and streamlining deployment with **CI/CD pipelines**, ensuring efficient scaling and maintenance

### StockFlow 📈 | Java, Firebase, REST APIs

September 2024 - December 2024

- Engineered an **educational stock trading platform** with clean architecture, leveraging **REST APIs** for real-time market data, enabling users to explore stocks, view historical trends and engage in simulated trades
- Boosted user engagement by **30%** by integrating an **AI-driven chatbot** for personalized financial guidance, providing real-time insights and educational finance tips for a more interactive trading experience
- Accelerated data access by **25%** by implementing secure **Firebase** authentication, integrating Firestore NoSQL for efficient credential storage, and developing a **Java Swing** frontend to enhance user interaction

### StaffPilot 🚀 | Typescript, Angular, C#, SQL, .NET

February 2025 - March 2025

- Designed a full-stack **employee management system** using **Angular** and **ASP.NET Core**, enabling users to view, add, edit, and delete employees through a modern UI with **Angular Material**
- Reduced database query execution time by **45%** by leveraging **SQL** stored procedures and optimized indexing in **Entity Framework Core**, significantly improving API response and large-dataset load times
- Enhanced frontend performance by **30%** by leveraging Angular lazy loading and optimizing state management, ensuring a seamless and responsive user experience