

Yaseen Sadat

☎ 437-484-7007

✉ yaseensadat2@gmail.com

🌐 [linkedin.com/yaseensadat](https://www.linkedin.com/in/yaseensadat)

🌐 [yaseensadatportfolio](https://yaseensadatportfolio.com)

Education

University of Toronto

Bachelor of Science in Computer Science

Expected May 2027

Toronto, ON

- **Relevant Coursework:** Data Structures and Algorithms, Object Oriented Programming, Systems Programming, Theory of Computation, Software Design, and Linear Algebra w/Computational Applications

Experience

Lumenera | 🌐 lumenera.onrender.com

Summer 2024

Founder & Developer

- Built a trading card platform (**MERN stack**) from scratch with a visually immersive interface, enabling product browsing with **advanced filtering, sorting, and cart management**, significantly enhancing overall user experience.
- Containerized services using **Docker Compose** for efficient local development and consistent production environments, established a robust **CI/CD pipeline** with **Jenkins** for orchestrating builds and running automated unit and integration tests, and deployed on **Render**
- Spearheaded a robust **Jira** integration within the backend, **automating ticket creation** for critical errors and significantly **streamlining bug tracking, reducing manual overhead, and accelerating resolution times by 25%**
- Integrated **MongoDB** with **sharding and replication** for scalable data management, leveraged **Jest** for **unit testing**, enforced rigorous linting and **E2E** coverage, monitored performance with profiling tools, and optimized build pipelines to **reduce load times by 35%**
- Designed secure **JWT-based authentication** by implementing time-bound password resets using **bcrypt encryption** and integrated **Stripe** for reliable checkout, exposing **RESTful endpoints** to manage user sessions, payments, and profile updates, ensuring a seamless and protected user experience
- Engineered a dedicated **admin panel** for streamlined management of products, orders, and platform settings, adopting a **scalable architecture** that supports **horizontal growth** and ensures consistent performance under increasing user traffic

Projects

StockFlow | 🌐 github.com/StockFlow | Java, Firebase, REST APIs

- Developed an educational **stock trading platform** guided by **clean architecture** principles, leveraging **REST APIs** for **real-time market data**, enabling users to explore stocks, view historical trends, and engage in simulated trades
- Integrated an **AI-driven chatbot** for personalized financial guidance, delivering intuitive, on-demand insights and improving user engagement with educational finance-related tips
- Implemented a secure **Firebase** authentication system, integrating **Firestore's NoSQL database** for efficient credential storage and a Java Swing front end to enhance user interaction, **accelerating data access by 25%**
- Designed an interactive **portfolio management** feature for users to buy, sell, and track stock performance, complemented by transparent transaction histories and customizable data visualization tools

GenieAI | 🌐 github.com/GenieAI | React, Node.js, JavaScript, HTML, CSS

- Developed a **generative AI application** powered by the **OpenAI API**, leveraging **prompt-engineering techniques** to deliver context-aware responses and maintain a consistent, "genie-like" persona
- Crafted a clean, **responsive UI** in **React** and **React Native Web** with dynamic typing animations, interactive sidebars, and prompt histories, resulting in an engaging, user-centric experience
- Integrated **Node.js** for efficient backend operations and real-time data handling, ensuring seamless communication between the front-end and AI services

Forest of Echoes | 🌐 github.com/Forest-of-Echoes | Python, Pygame

- Engineered a **2D escape game** using **Python**, featuring customizable gameplay, immersive soundtracks, and grid-based maps for real-time collision detection, leveraging **OOP** to ensure a **robust, scalable** codebase

Technical Skills

Languages: Python, Java, JavaScript, C++, C, C#, TypeScript, HTML, CSS, R, SQL

Frameworks: React, Node.js, Express.js, Django, Flask, React Native, JUnit, NUnit, Tailwind CSS, Bootstrap, Vue.js, Jest

Tools: Git, GitHub, Docker, Jira, MongoDB, Jenkins, Kubernetes, Postman, Firebase, Maven, VS Code, AWS, JWT

Concepts: Databases, Automated Testing, REST APIs, Encryption & Decryption, Artificial Intelligence, Cloud Computing