

Ayaan Yousaf

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TECHNICAL SKILLS

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

Frameworks/Libraries: React.js, Vue.js, Tailwind CSS, Node.js, Express, NumPy, pandas, Matplotlib, scikit-learn

Tools: Git, VS Code, MongoDB, PostgreSQL, IntelliJ, Visual Studio, Jupyter Notebook, RESTful APIs, Agile, UML

EDUCATION

Bachelor of Science (Honours) Co-op in Computer Science

Ontario Tech University

Oshawa, Ontario

Expected Graduation, May 2027

- o **GPA:** 3.69/4.3, *President's List for Winter 2023 and Fall 2024*
- o **Related Coursework:** Data Structures, Algorithms, Computer Architecture, Database Systems, AI-Powered Software Engineering, Software Systems Development, Software Design, Web Development, Machine Learning

PROJECTS

Portfolio Website | React.js, Three.js, Vite, Tailwind CSS

Aug 2025 – Sept 2025

- Built and deployed a responsive portfolio on Vercel, featuring 10+ reusable React components and custom hooks.
- Implemented smooth scroll-triggered animations with Framer Motion, enhancing user experience and interactivity.
- Integrated a dynamic 3D background and interactive Earth model using Three.js.
- Enhanced accessibility by ensuring compatibility across multiple devices for a consistent user experience.

BookNest | Vue.js, D3.js, Node.js, Express, MongoDB, RESTful APIs

Mar 2025 – Apr 2025

- Engineered a full-stack digital library application using Node.js, Vue.js, Express, and MongoDB.
- Modeled schemas for core entities using Mongoose and automated database seeding with Node.js scripts.
- Connected frontend Vue.js web pages with backend REST APIs to dynamically retrieve book data.
- Debugged frontend bugs and implemented advanced search filters, ensuring smoother navigation and usability.

ByeSpam | Java, HTML, CSS, JavaScript, GlassFish, RESTful APIs

Feb 2024 – Mar 2024

- Developed a full-stack spam email detection application integrating a probabilistic machine learning model, achieving 88% accuracy and 84% precision.
- Collaborated within a team to deploy the model using GlassFish and REST API endpoints.
- Optimized algorithms by tuning thresholds, boosting accuracy by 10% and precision by 4%.

WORK EXPERIENCE

RK Studios

Toronto, Ontario

IT Support Technician

Aug 2021 – Aug 2022

- Configured hardware and software efficiently for wedding photography, allowing for operation on schedule.
- Managed IT systems and software, including Adobe Photoshop and Lightroom.
- Provided technical troubleshooting, resolving issues with Google Drive and communicating clear solutions to staff.

ACTIVITIES AND CERTIFICATES

Computer Science Club – Ontario Tech University

Oshawa, Ontario

General Member

Sept 2023 – Present

- Participated in a Microsoft-sponsored hackathon event focused on Azure cloud services.

Employment Readiness Program – Ontario Tech University

Oshawa, Ontario

Certificate of Participation

Completed Apr 2024

- Attended workshops focused on networking, speed interviewing, and conflict resolution.

LinkedIn Learning Certificates

Completed Nov 2023

- Advanced Java: Hands-on with Streams, Lambda Expressions, Collections, Generics and More
- Java Algorithms
- Python Essential Training