

Rosie Khurmi

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TECHNICAL SKILLS

Languages/Frameworks : Java, Python (Matplotlib, Numpy, Selenium, PyGame, SciPy), C++/C#, Javascript, Typescript, HTML, CSS, Unity, FastAPI, ReactJS, Angular, Java EE

Skills: Github, Adobe Analytics, Apptentive, MongoDB, MySQL, PostgreSQL, Cloud Operations (Google Kubernetes Engine), Figma

Google Certified Associate Cloud Engineer (August 2024)

WORK EXPERIENCE

Bank of Montreal

Toronto, ON

Software Development Intern

January 2025 - August 2025

- Managed and optimized BMO's customer-facing hybrid application, enhancing the experience of over 3 million users, as part of the **Platform Continuous Integration** Team.
- Resolved Jira tickets** across **design, security, analytics, accessibility**, and **in-app features** for various releases, addressing UI and UX inconsistencies, performance issues, and compliance requirements.
- Collaborated with cross-functional teams**, including QA, developers, and product managers, to troubleshoot defects, refine requirements, and ensure seamless deployments in a fast-paced Agile environment.
- Developed and integrated** reusable UI components using Angular and Ionic, improving consistency and maintainability across teams while writing unit tests in Jest and conducting platform-specific testing in Xcode and Android Studio for iOS and Android compatibility.

Tech Mahindra

Toronto, ON

Junior Software Engineer (Co-Op)

May 2024 - August 2024

- Gained hands-on experience under the delivery operations team in helping clients migrate to **Google Cloud Platform** to reduce operational costs by 10%.
- Collaborated with the research and development team to build a Vertical LLM for optimizing financial investing strategies, utilizing the **Merlinite LLM model, MongoDB**, and **Flask**.
- Developed and implemented data pipelines for ingesting and processing financial data, alongside validation frameworks to maintain data quality and ensure model accuracy.

Software Engineering & Education Research Lab

Oshawa, ON

Undergraduate Research Assistant

September 2024 - Present

- Worked under a graduate student to develop a digital version of the hybrid game, **Run Llama Run**, designed to teach **computational thinking** skills to K-5 students through interactive gameplay.
- Used **Unity-2D** for application development and prepared detailed documentation to ensure the project aligns with research and technical standards.
- The next step involves contributing to a section of a **formal research paper** that examines the impact of educational games on student learning.

Ontario Tech University

Oshawa, ON

Teaching Assistant

September 2024 - December 2024

- Assisted the professor in delivering the Programming Workshop 1 course, where students learn the fundamentals of **C++**.
- Lead weekly **labs** sessions of 20 students where they solve problems using code to help them understand the week's course material and invigilating exams.

EDUCATION & CERTIFICATIONS

Ontario Tech University - BSc Computer Science

September 2022 - Present

- Data Science specialization with a mathematics minor
- Presidents List: 2022 - 2024

PROJECTS

Hackhive Hackathon First Place Winner

February 2023

- PantryPal, proposed giving AI generated recipes using a list of ingredients given by a user.
- The solution used Natural Language Processing and was hosted using Microsoft Azure services.
- The solution included use case and architecture diagrams along with business analytic tools.