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

Tools & Technologies: Github, Adobe Analytics, Apptentive, MongoDB, MySQL, PostgreSQL, Google Cloud (GKE), Figma, Jest, XCode, Android Studio

Google Certified Associate Cloud Engineer (August 2024)

WORK EXPERIENCE

Bank of Montreal   Toronto, ON
Software Developer Intern   *January 2025 - August 2025*
- Managed and optimized BMO's customer-facing hybrid application, improving user 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 bundle releases to ensure regulatory compliance, visual and performance enhancements.
- Collaborated with QA, developers, and product managers to refine business requirements, troubleshoot defects, and ensure seamless deployments in an Agile workflow.
- **Developed and integrated** reusable UI components using Angular, Storybook and Ionic, improving consistency and code maintenance across different teams.
- Writing **unit tests** in **Jest** and conducting platform-specific testing in **Xcode and Android Studio** for cross-platform 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**, reducing client operational costs by 10%.
- Built a Vertical LLM for optimizing **financial investing strategies**, utilizing the **Merlinite LLM model**, **MongoDB**, and **Flask** within the **Research & Development** team.
- Developed **data pipelines** for ingesting and processing **financial data** and implementing validation frameworks to maintain data quality and model accuracy.

Software Engineering & Education Research Lab   Oshawa, ON
Undergraduate Research Assistant   *September 2024 - Present*
- Developed 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 development and prepared **documentation**, aligning with research standards.
- Engaged in **weekly touchpoints** with my lab professor, receiving feedback and refining research methodologies.

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 programming in **C++**.
- Lead weekly **labs** sessions of 20 students where they applied course concepts to coding challenges and invigilated their exams.

EDUCATION & CERTIFICATIONS

Ontario Tech University - BSc Computer Science   September 2022 - Present
- Data Science Specialization | Mathematics Minor
- Presidents List: 2022 - 2024

PROJECTS

Hackhive Hackathon First Place Winner   *February 2023*
- Developed **PantryPal**, an AI-driven app that suggests recipes based on a list of ingredients, reducing food waste and promoting cost-effective meal planning.
- Implemented **Natural Language Processing (NLP)** and hosted the solution on **Microsoft Azure**.
- Created **use case** and **architecture diagrams**, incorporating tools to mitigate business risk and track **key performance indicators**.