

Employment

Canada Border Services Agency	Software Developer	Spring 2022 – Spring 2023
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- Maintained and built components of a Java-based Database management system.
- Directed the development of an email filing system, dramatically improving user experience by automating task flows, resulting in an 80% time savings for officers.
- Engineered a document storage database which allowed users to print out boiler plate documents significantly boosting operational efficiency for officers by 60%.

Canada Revenue Agency	Junior Data Analyst	Summer 2023
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- Crafted detailed data analytics reports via Cognos BI, achieving a 20% increase in case management efficiency by streamlining data processing and analysis.
- Executed thorough data analysis and visualization with SAS VIYA leading to improvement in strategic decision-making accuracy through enhanced data insights.
- Identified a critical 50% discrepancy between new and legacy databases using advanced Excel functions, leading to a database optimization project that enhanced data integrity and access speed.

Transport Canada	Junior Data Analyst	Summer 2020
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- Developed a suite of Visual Basic risk assessment applications, improving rail safety and efficiency by automating risk analysis processes, resulting in a 30% reduction in manual review time by officers.

Education

Ottawa, ON	University of Ottawa	Fall 2018 – Winter 2023
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- BAsC in Computer Engineering
- Relevant Courses: Databases; Operating Systems; Data Structures and Algorithms; Computer Architecture

Computer Science Projects

Clarify Smart Mirror	Git Repo
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- Developed a full-stack smart mirror, leading the mobile application development with React Native and Expo Go, and designing the UI with Electron.JS for a seamless Raspberry Pi integration.
- Implemented a RESTful Node.JS server for robust backend management.

Nourish-Meal Plan Generator	Website – Git Repo
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- Created Nourish, a dynamic meal plan generator that personalizes user experiences. Next.js, TailwindCSS, vercel.
- Utilized Redux for efficient state management and integrated gpt3.5-turbo API via axios for real-time meal plan generation. Utilizes Supabase for NoSQL database and user AUTH.

Personal Portfolio	Website – Git Repo
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- Designed and built an online portfolio to professionally showcase my software projects and social media, utilizing Figma for design and Next.js, TailwindCSS and Framer-Motion.

Skills

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- Java, Python, C++, SQL, JavaScript, HTML, CSS, Kotlin, TypeScript, React.js, Node.js, Angular, React Native, Docker, MySQL, PostgreSQL, AWS(EC2, EBS), Firebase, GIT/Github, App Development, Jira, Agile Sprints

Additional Experience and Awards

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- **Machine Learning on Google Cloud Specialization:** Used Vertex AI AutoML and BigQuery ML to build, train, and deploy ML models