

# Mohamed Dahir

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## Education

**Carleton University**

**Sep 2020 - May 2025**

**Bachelor of Computer Science: Artificial Intelligence and Machine Learning**

## Skills

- Java, JavaScript, TypeScript, C++, C, MySQL, Express, Angular, NestJs, TypeORM, Python, Git, RxJS
- Jira, Power BI, Power Automate, Easymock, Debeaver

## Experience

**Full Stack Developer**

**VectorSolv**

**May 2023 - Aug 2023**

- Engineered a transformative warranty table feature with Angular, RxJS, NestJs, and TypeORM, enhancing user experience, fortifying security, and improving decision-making.
- Enhanced security by seamlessly integrating permission checks with Angular and NestJs, ensuring the utmost protection of confidential data and fostering trust in the product's security framework.
- Leveraged Angular and NestJs to efficiently spotlight Distributor information within Warranty Product, enhancing user engagement and comprehension while enabling more informed decision-making
- Strategically resolved critical bugs across customer and admin portals with Angular, NestJs, RxJS, and TypeORM, significantly improving user experience, product stability, and overall success.

**Software Engineer**

**Snow Software**

**Jan 2023 - Apr 2023**

- Implemented a Limit Login Feature using Java, allowing admin users to configure fail attempt limits, and rigorously tested it with EasyMock, resulting in elevated security and enhanced system resilience.
- Led system upgrades for Apache Tomcat and Guacamole, optimizing performance, seamlessly integrating them into GCP's cloud infrastructure, and achieving a 70% process enhancement.
- Collaborated with the QA team to rectify user-reported bugs using Java and EasyMock, ensuring product alignment, stability, and customer satisfaction

**Data Analyst**

**Statistics Canada**

**May 2022 - Aug 2022**

- Developed a centralized SQL Database to optimize data storage and accessibility, streamlining data management for the Customer Success team, expediting data-driven decision-making, and enhancing their processes by 100%
- Streamlined data-to-report processes by automating Power BI report connections through Power Automate, ensuring accurate and efficient customer data capture.
- Designed real-time Interactive Dashboards using Power BI and Power Automate, informing senior leadership's decisions, shaping Data Analytics as a service, and facilitating the budgeting of millions of dollars in funding.

## Projects

**Retail Flow**

**Hack The Hill**

*Ottawa, On, Canada*

- Earned 3rd Place and Best User Experience in Ottawa's largest Hackathon, showcasing exceptional technical and design prowess in delivering user-centric solutions for high-stakes events.
- Engineered an agile MERN-based task management app within 36 hours, optimizing associate management for large retail stores and emphasizing the synergy between technology and collaborative effort.
- Implemented Microsoft OAuth seamlessly, fortifying secure access to Microsoft services and enabling future integration with Graph API and Power Apps for enhanced security and expanded access possibilities.
- Designed a dynamic Kanban board interface with real-time MongoDB task integration, optimizing task management efficiency and enhancing user productivity.