



DHVANI THAKKAR

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EDUCATION

Bachelor of Science in Computer Science with a minor in Statistics

University of Manitoba

09/2020 - 12/2025 (expected)

Winnipeg, MB

TECHNICAL SKILLS

Languages & Frameworks: Java, JavaScript, C, C++, R, SQL, Python, ReactJS, Node.js, Next.js

Databases: SQLite, Neo4j, MongoDB, DynamoDB

Tools: Git, Azure DevOps, AWS, Google Cloud Platform, Docker, Postman, CI/CD, Agile Methodologies

Software & Analytics: IntelliJ IDEA, VS Code, Android Studio, RStudio, Tableau, Snowflake, Power BI, CSS, REST APIs

WORK EXPERIENCE

Junior Systems Analyst (Internship)

Government of Manitoba

05/2024 - Present

Winnipeg, MB

- Build and maintain 3 internal digital tools to replace paper-based emergency reporting methods, modernizing workflows, enhancing frontend functionality and reducing reporting time by 60%.
- Perform data extraction and analysis on 1000+ business records from all over Manitoba for a continuity planning tool, delivering insights to support pandemic response strategy.
- Create and maintain technical documentation for system upgrades, access controls, and infrastructure workflows, enabling smooth knowledge transfer across a team of 8.

Applications Assistant (Internship)

Antec Controls - Price Industries

05/2023 - 09/2023

Winnipeg, MB

- Executed 30+ product and integration tests, identifying critical issues early to maintain design integrity.
- Collaborated with engineering to resolve critical integration challenges, leading to a 30% reduction in prototype development time and accelerating the project cycle.
- Documented 10+ testing results in detail to guide product refinements, enabling data-driven improvements for enhanced reliability.

RELEVANT PROJECTS

EduNova Web Interface | *ReactJS, Node.js, DynamoDB, AWS S3, Ollama*

01/2025 - 04/2025

- Implemented a web-based educational chatbot with a team of 3 for the Government of Canada to support students and instructors by delivering course material interactively; enabled self-paced learning and reduced instructor dependency through automated, conversational explanations.

ReShop Android App | *Java, SQL, HTML, CSS, Agile Methodologies*

05/2024 - 08/2024

- Created an e-commerce platform with a team of 5 members, integrating features like user authentication and dynamic item listings while following Agile methodology for iterative development and delivery.

FIFA 2022 Players Database | *Java, SQL*

09/2023 - 12/2023

- Developed efficient SQL scripts which facilitated the rapid extraction of large datasets from a normalized database containing over 19,000 entries, which enhanced usability for end-users needing immediate insights for analysis tasks.

VOLUNTEER EXPERIENCE

Vice President (UMWICS)

05/2023 - 04/2025

- Lead mentorship programs and host events to connect more than 65 women and nonbinary individuals with mentors in tech fields, fostering meaningful professional development.

Director of Communications (CCUBED)

03/2023 - 04/2024

- Increased event participation by designing targeted promotional materials using Adobe Photoshop and Canva that elevated overall engagement metrics, with attendance rising to over 150 participants per major event.

Social Media Coordinator (UMWICS)

05/2022 - 04/2023

- Enhanced online presence by coordinating social media strategies, integrating content scheduling tools like Buffer and designing promotional graphics, driving an 85% increase in followers.