

MANREET KAUR

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[PORTFOLIO](#) | [LinkedIn](#) | [GitHub](#)

PROFILE

Detail-oriented and motivated Computer Science student at York University (GPA: 8.74/9.00) with hands-on co-op experience at the Ontario government in software development and data engineering. Proficient in Java, Python, C, SQL, and Power BI, with experience supporting analytics, AI, and ML initiatives. Skilled at collaborating in agile, cross-functional teams, taking ownership of projects, and communicating effectively with both technical and business stakeholders. Adept at leveraging technology to solve complex problems and passionate about continuous learning and cloud-first innovations.

TECHNICAL SKILLS

- **Tools and Technologies:** Power BI, Tableau, Apache NetBeans, Visual Studio, Eclipse, Figma, Git (branching, merging, pull requests), GitHub, WordPress, AWS (basic deployment), Canva
- **Productivity Software:** Microsoft Word, Microsoft Excel (PivotTables, VLOOKUP, charts, data modeling), PowerPoint, Outlook, SharePoint, MS Access, MS Project, Visual Basic (VBA), Office 365, PowerApps; Google Workspace (Docs, Sheets, Slides, Forms, Drive)
- **Project Management Tools:** Trello, Notion, Jira
- **Programming languages:** Java, Python (pandas, NumPy, matplotlib, seaborn, Streamlit), JavaScript, HTML, CSS, C, C++, RISC-V (Assembly), Bash scripting, Shell scripting
- **Databases:** MySQL, SQL, SQLite, Oracle Database, MongoDB
- **Concepts:** Familiarity with SDLC phases, Microsoft Windows desktop operating systems, Project management methodologies
- **Other Skills:** ML/AI Fundamentals, API Integration, Project Management, Report Generation & Performance Metrics, Data Interpretation, SQL queries, Data Visualization, Data Analysis, Technical Documentation, Presentation skills
- **Relevant Course Work:** Data Structures and Algorithms, Object Oriented Programming, Computer Organization, Probability

SOFT SKILLS

- Self-motivated and capable of working independently or collaboratively within an agile team.
- Excellent verbal and written communication skills.
- Analytical thinker with problem-solving and troubleshooting abilities.
- Motivated and driven to learn new technologies and systems.
- Highly organized with a keen attention to detail.
- Quick learner with a proactive, self-motivated approach.
- Critical and strategic thinker with a strong work ethic.
- Effective time management and ability to prioritize tasks under pressure.

PROJECTS

Photo Memories App – [MERN Stack]

[GitHub](#)

- Developed a full-stack web application using React for the front end, Node.js and Express for the backend, and MongoDB for the database.
- Wrote unit and integration tests for backend endpoints and handled edge case debugging, strengthening code robustness and quality.
- Deployed both frontend and backend on Render, ensuring smooth user experience and scalability and used Git for version control.

Construction Project Dashboard - [Power BI | SQL]

[GitHub](#)

- Designed and deployed an interactive Power BI dashboard using SQL queries to identify sales patterns, anomalies, and KPIs—mirroring real-world market analysis and reporting tasks.
- Delivered insights showing 64% task completion and 31% budget usage, enabling executives to monitor project health and optimize decision-making.
- Conducted comprehensive data querying and transformation, applying filters, conditional formatting, and trend visualization to drive business decision-making.

Business Website – [HTML | CSS | JavaScript | Deployment: Render]

[GitHub](#)

- Built a responsive, modern website for Momi Agro Industries using HTML, CSS, and JavaScript, significantly enhancing their online visibility and customer engagement.
- Designed a clean, mobile-optimized interface with intuitive navigation and credibility-focused sections (Products, Certifications, About), leading to improved user trust and smoother information access.
- Deployed on Render with automated GitHub updates to ensure continuous, reliable site performance.

EXPERIENCE

Software Engineer Co-op

Ontario Government | September 2025-Present

- ❖ Contributing to ongoing enhancements of the SAMS (Social Assistance Management System) platform by performing AODA accessibility testing and validating new and updated features to ensure compliance, usability, and functional accuracy.
- ❖ Participating in refinement sessions, requirement analysis, and agile ceremonies to support clear documentation, accurate user stories, and smooth progression through all SDLC phases.
- ❖ Observing and engaging with the full software development lifecycle - planning, development, testing, deployment, and review to deepen understanding of large-scale government system delivery.
- ❖ Collaborating with developers, testers, and business analysts to communicate findings, track defects, and ensure high-quality releases for the SAMS application in a cross-functional environment.

IT Team Lead

Women in Science and Engineering, York University | September 2024-August 2025

- ❖ Led development and ongoing maintenance of the WiSE Connect Lassonde website using HTML, CSS, JavaScript, and Java—ensuring digital solutions aligned with project goals and user requirements.
- ❖ Coordinated task tracking and project documentation, maintaining detailed records of deliverables and timelines.
- ❖ Presented regular updates to team members and stakeholders, coordinated feedback loops, and ensured timely progress reporting.
- ❖ Took initiative in organizing team meetings, setting objectives, and promoting a productive and collaborative team environment.

EDUCATION

Bachelor of Science, Computer Science (GPA: 8.74/9.00)

York University, ON, Canada

Expected graduation: June 2027

High School Diploma, Science (Grade: 97.4 %)

DIPS School, Kapurthala, India

Graduated: March 2022

CERTIFICATIONS

- **Supervised Machine Learning** – Coursera | August 2025 | [Certificate](#)
- **C & C++ Programming** – Punjab Technical Institute | January 2023
- **Java & Advance Java Programming** - Punjab Technical Institute | March 2023
- **Web Designing** - Punjab Technical Institute | April 2023

EXTRA CURRICULAR ACTIVITIES

- **Hackathons:** Built creative tech solutions for real-world social and business challenges.
- **Volunteering (Capitol Hospital):** Assisted in managing patient data by organizing and maintaining records, ensuring accuracy and confidentiality of sensitive information.
- **House Captain:** Led and organized school events, fostering teamwork and leadership skills among peers.