

# MAYANK RAJ

[Portfolio Website](#), [GitHub](#), [LinkedIn](#) | Mississauga, ON | +1(647) 897 3143 | rajmay@sheridancollege.ca

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## Software Development Student

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### SKILLS

Programming	Java, Python, JavaScript, Bash
Web & Database	HTML, CSS, MySQL, MongoDB, PHP, Microsoft SQL, NoSQL, PostgreSQL
Frameworks	Spring Boot, Junit, React, NodeJS
Tools	Git, Unix, IntelliJ, Visual Studio Code, Visual Paradigm, MS Office, Docker, PowerPoint, MS Word
Cloud Computing	Amazon Web Services (AWS), Azure
Methodologies	Agile, Scrum, Kanban, Waterfall, CI/CD, SDLC, UML
Soft Skills	Communication, Collaboration, Critical Thinking, Problem-solving, Adaptability, Organization skills

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### EDUCATION

#### Computer Systems Technology -

#### Software Development & Network Engineering Advanced Diploma

December 2025

Sheridan College- Oakville ON

GPA: 3.89

Relevant Coursework: Java OOP, Web Development, Development fundamentals, Networking, Cloud Computing, Linux, Database Management, Software Testing and Quality Assurance, API development, Writing technical documents.

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### VOLUNTARY EXPERIENCES

#### Executive Member

May 2023 - Present

Competitive Programming Club- Sheridan College Trafalgar

- ☐ I Revitalized Competitive Programming Club: Boosted membership by 50% and enhanced its reputation, leading to a 30% rise in local competition participation.
- ☐ Mentored 30 students: Elevated their programming skills by an average of 20% on coding challenges.
- ☐ Ensured on-time project delivery: Achieved high-quality results for 5 club projects, increasing participant satisfaction and success rates by 20%.
- ☐ Fostered inclusivity: Improved communication and collaboration, driving a 15% increase in teamwork effectiveness and project outcomes.
- ☐ Expanded club presence: Represented the club at 10+ events, workshops, and competitions, resulting in a 40% growth in partnerships and community engagement.

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### PROJECTS

#### Backyard

August 2023 - Present

Cross-Platform Flower Marketplace App (Personal Project)

- ☐ Collaborated effectively with a teammate to develop a cross-platform flower marketplace app using **React Native** (Front End), **Spring Boot** (Back End), and **PostgreSQL** (Data Storage).
- ☐ I am bolstering app security by **implementing a robust user authentication** and authorization system, fortifying our defenses against potential threats. This will **safeguard sensitive data**, enhance user trust and reduce the risk of security breaches.
- ☐ I am optimizing **development efficiency** by championing **Continuous Integration and Continuous Deployment** (CI/CD) practices. This will empower us to make **iterative progress** and swiftly adapt to evolving project requirements, ensuring a dynamic and responsive development process.

#### MMA Simulator

June 2023

Personal project ([GitHub](#))

- I created a command-line interface (CLI), Java based simulator for simulating mixed martial arts (MMA) fights among diverse user-created fighters. This project significantly enhanced my knowledge and experience in advanced data structures, problem-solving, and software testing and development skills.
- To manage and maintain fighter and match data, I employed a database-driven approach, harnessing the power of MySQL for database connectivity. This approach resulted in a system with robust data integrity and efficiency, and structured data management.
- For version control, GitHub served as a pivotal tool and platform for iterative development of the system, monitoring code modifications, and ensuring the project's stability. All this resulting in an in a user-friendly, and well-designed software.

**Blackjack Card Game**

May 2023 - June 2023

Coursework ([GitHub](#))

- I led a team of four developers in creating a Blackjack game for our software design course. This experience helped me demonstrate and strengthen my leadership with organized task delegation, open communication, and effective conflict resolution within the team. This collaborative approach yielded a 100% grade, exceeding the class average, underscoring our effective teamwork.
- In our collaborative project, we utilized GitHub for remote version control and issue tracking. To ensure quality and reliability, I emphasized adherence to best design practices, including SOLID and DRY principles. We conducted thorough unit testing procedures using the JUnit framework, resulting in a dependable and enjoyable gaming experience.

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**INVOLVEMENT**

Google DSC Programming Club – member

May 2023 - Present

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**INTERESTS**

Podcasts, Architecture, Movies, Psychology