**Mayank Raj**

[Portfolio Website](https://mayank-raj1.github.io/mayank-raj1/), [GitHub](https://github.com/mayank-raj1), [LinkedIn](https://www.linkedin.com/in/mayank-raj-042888268/)| Mississauga, ON | +1(647) 897 3143 | [rajmay@sheridancollege.ca](mailto:rajmay@sheridancollege.ca)

Software Development Student

**skills**

Programming |Java, Python, JavaScript, Bash

Web & Database |HTML, CSS, MySQL, MongoDB, PHP, Microsoft SQL, NoSQL, PostgreSQL

Frameworks |Spring Boot, Junit, React native

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

**education**

**Computer Systems Technology -   
Software Development & Network Engineering Advanced Diploma** December 2025

Sheridan College- Oakville ON  
GPA: 3.89

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

**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

**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)](https://github.com/mayank-raj1/MMA_Simulator.git)

* I seized the chance to develop a cutting-edge **MMA simulator** in Java, utilizing **advanced data structures** and **OOP principles**, showcasing my problem solving and software engineering skills.
* I utilized **MySQL** to establish seamless **database connectivity**, enhancing data management and accessibility while upholding data integrity, ensuring a robust and efficient system.
* I crafted a high-quality **Java MMA simulator** with a user-friendly CLI, seamless **database integration**, and unwavering reliability. Accomplished through the meticulous development of a precise fighter attribute management tool, backed by comprehensive unit testing.

**Blackjack Card Game** May 2023 - June 2023

Coursework [(GitHub)](https://github.com/TacoShower/BlackJack.git)

* I spearheaded a **four-member developer team** to create an immersive Java-based Blackjack game, meticulously adhering to standard rules. This **leadership resulted** in a harmonious and creative development process, fostering teamwork, and resulting in getting an **100% grade betting the class average**.
* I oversaw the enhancement of gameplay quality by meticulously applying sound **design principles** to oversee critical game component development. This commitment, measured by exhaustive **testing procedures**, resulted in a dependable and enjoyable gaming experience, **solidifying user satisfaction and engagement**.

**involvement**

Google DSC Programming Club – member May 2023 - Present

**interests**

Podcasts, Architecture, Movies, Psychology