**Mayank Raj**

[Pofrtfolio Website](https://mayank-raj1.github.io/mayank-raj1/) ● [GitHub](https://github.com/mayank-raj1) ● [LinkedIn](https://www.linkedin.com/in/mayank-raj-042888268/) ● [mayraj035@gmail.com](mailto:mayraj035@gmail.com)● +1(647) 897-3143 ● Mississauga, On

**SKILLS**

**Programming** | Java ● Python ● JavaScript

**Web & Database** | HTML ● CSS ● MySql ● MongoDB ● PHP

**Frameworks** | Spring Boot ● React

**Tools** | Git ● Unix ● IntelliJ ● VSCode ● Visual Paradigm ● MS Office

**Cloud Computing** | Amazon Web Services (AWS) ● Docker

**Methodologies** | Agile ● Scrum ● Kanban ● DevOps ● CI/CD

**Soft Skills** | Communication ● Collaboration ● Critical Thinking ● Problem-solving ● Adaptability ● Time Management

**EDUCATION**

**Advanced Diploma in Software Development and Network Engineering**, Sheridan College, 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.

**HIGHLIGHTS**

* Highly skilled software engineer with expertise in Java, Python, and JavaScript, demonstrated through successful **projects** and **coursework**.
* Strong expertise in **web development** and database management, utilizing technologies such as HTML, CSS, MySql, MongoDB, and PHP.
* Extensive experience with **Spring Boot** framework and **React**, enabling the development of robust and scalable applications.
* Proficient in utilizing Git, Unix, IntelliJ, VSCode, Visual Paradigm, and MS Office, ensuring efficient collaboration and **streamlined development** processes.
* Experienced in cloud computing, specifically Amazon Web Services (AWS) and Docker, enabling the deployment and management of **cloud-based applications**.
* Adaptable and versatile professional, well-versed in Agile, Scrum, Kanban, DevOps, and Continuous Integration/Continuous **Deployment methodologies**, ensuring efficient project execution.

**EXPERIENCES**

**Executive Member** *May 2023 - Present*

Competitive Programming Club

* Led **200-member club**, guiding strategic growth and planning.
* Mentored 30+ students, elevating **programming skills** and **problem-solving** abilities.
* **Managed** 5 projects, ensuring on-time delivery of high-quality results.
* Cultivated an inclusive environment, fostering **communication** and collaboration.
* Represented the club at 10+ events, workshops, and **competitions** for networking**.**

**PROJECTS**

**MMA Simulator** *June 2023*

Personal project [(GitHub)](GitHub)

* **Designed and developed** a highly performant Java-based MMA simulator, incorporating advanced data structures and software development principles.
* Implemented a **CLI-based application** for creating fighters, managing attributes, and simulating matches.
* Leveraged efficient **data structures** like arrays, lists, and maps for optimal storage and manipulation of fighter information.
* Implemented **delegation** patterns to separate responsibilities and improve code modularity.
* Used **MySQL** to integrate database connectivity to store and retrieve fighter data.
* Ensured reliability and accuracy through rigorous **unit testing**, ensuring optimal performance and functionality.
* Incorporated version control using **Git** for effective collaboration and code management.

**Blackjack Card Game** *July 2023*

Coursework [(GitHub)](github)

* Led a **team** of 4 developers in designing and implementing a functional Java-based Blackjack game adhering to standard rules.
* Assigned and oversaw the development of game components: game, player, dealer, card, deck, and hand classes.
* Implemented thorough testing procedures, including **unit testing** and **integration testing**, to ensure the game's reliability and robustness.
* Applied **design principles** of encapsulation, delegation, loose coupling, and high cohesion.
* Utilized **version control** (Git), IntelliJ IDE, and Visual Paradigm for collaboration, coding, and design.
* Maintained code consistency and readability following Oracle Java **Code Conventions**.
* Successfully delivered a well-designed and functional Blackjack game, meeting **industry standards**.

**Involvement and Interests**

**Competitive Programming Club** - member*Jan 2023 - Present*

**Interests**

Podcasts | Architecture | Movies | Psychology