AYUSH PATEL

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SUMMARY

Dedicated and detail-oriented Bachelor of Applied Computer Science student at Dalhousie University with a strong foundation in programming, web technologies, and software development. Proficient in Java, Python, C, and JavaScript with hands-on experience in developing robust applications and user-centric interfaces. Demonstrates excellent problem-solving, teamwork, and communication skills, along with a keen ability to adapt and thrive in dynamic environments.

EDUCATION

Bachelor of Applied Computer Science   **Jan 2023 - Apr 2027**
Dalhousie University   Halifax, Canada

Courses : Intro to Web Design Development, Intro to Computer Systems, Intro to Database Systems, Practical Data Science, Interdisciplinary Management II, Software Development and Data Structures Algorithms.

SKILLS

Interpersonal Skills:	Problem-Solving, Teamwork, Adaptability, Attention to detail, Communication.
Programming Languages:	Java, Python, C, JavaScript, SQL, PHP.
Web Technologies:	HTML and CSS.
Concepts & Practices:	Object-Oriented Programming, Data Structures and Algorithms, Refactoring, Version Control, Agile, Waterfall, Spiral, V-Shaped, Testing, SOLID Principles.
Frameworks:	ReactJS, Swing, MySQL, Mocha, JUnit Testing.
Developer Tools:	Git, VS Code, Intellij, Unity, Android Studio, Eclipse, Unity, PyCharm, CLion, Xampp, Postman, Bitbucket, Fork, linux, NetBeans, Jira.
Analytical tools:	Excel, Microsoft SQL, Python Libraries, PowerBI, Google Analytics, MS Office 365.

ACADEMIC PROJECTS

Library Management System   *Java, MySQL, Swing*

- Developed a library management system project using Java Core, SQL, Swing, AWT, and JFrame to streamline library operations, ensuring seamless navigation and interaction within the system.
- Key features include displaying a complete list of available books, managing user accounts, tracking book issuance, and recording return dates. Conducted manual API testing and created/tested application test cases.

Personal Website   *HTML, CSS and JavaScript*

- Developed a personal website featuring a responsive design for seamless viewing on mobile, tablet, and desktop devices. Integrated a photo gallery with smooth CSS animations and a music player with intuitive controls for tracks and volume adjustment, enhancing the interactive experience.
- Designed a user-friendly layout with clear navigation, incorporated a contact form with JavaScript validation, and showcased my skills, projects, and contact information. Monitored user activity and logged them for future reference. Conducted manual API, functionality, performance, compatibility, and accessibility testing for efficient operation.

Student Observation Tool   *PHP, HTML, CSS, SQL*

- Collaborated in a team of 7 students, with the professor acting as the client. Conducted regular meetings and code reviews to maintain project quality. Utilized Git for version control, ensuring efficient team collaboration. Demonstrated strong problem-solving skills by troubleshooting and resolving web application issues. Conducted manual API testing.
- Contributed to the web application's design for an intuitive interface. Developed user registration and login systems, enhancing security and accessibility. Created/Tested test cases. Implemented a backup feature to download the application data as a zip file. Gained practical experience in a collaborative, real-world software development environment.

OTHER EXPERIENCE

Robotics Workshop   **September 2021**

- Certified participation in a comprehensive robotics and programming workshop, covering key concepts and practical applications in robotics. Enhanced skills in robotic design, programming, and teamwork through hands-on experience.

Teaching Assistant   **January 2023**
Intro to Computer Programming

- Assisted students with programming concepts, provided one-on-one and group tutoring sessions, and supported lab activities to enhance their understanding of Java and fundamental programming principles.