

ANJALI PATEL

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Education

Carleton University

Sept 2020 – Present

Bachelor of Computer Science, Double Minor in Mathematics and Criminology

Experience

Junior Analyst - Research Risk Evaluation and Systems Directorate

May 2023– August 2023

Transportation of Dangerous Goods, Transport Canada

Ottawa, ON

- Collaborated closely with cross-functional teams, including Quality Assurance, Development, and Business, to perform a comprehensive analysis of diverse software applications, ensuring high standards of compliance
- Developed and wrote test cases for software testing scenarios, meticulously documenting and reporting identified bugs and issues to the development team for prompt resolution

Teaching Assistance

Sept 2022 - April 2023; Sept 2023 – Present

Dept of Comp Sci and Math, Carleton University

Ottawa, ON

- Facilitated tutorial classes for a diverse group of 50 students, effectively conveying essential concepts in courses such as **Calculus, Linear Algebra, Discrete Structures and Object Oriented Software Engineering**
- Offered personalized guidance during office hours to enhance students' comprehension of course materials

Projects

Student Researcher and Prototype Developer

Sept 2023– Dec 2023

Honours Project

Carleton University, Ottawa, ON

- Led a Human-Computer Interaction research project on optimizing the hackathon team formation processes, overseeing research, literature reviews, and the development of a user-centric software prototype
- Developed the prototype using **HTML, CSS, JavaScript, JSON, Node.js, Express.js and Figma**, guided by the literature review to enhance user experience by optimizing team building and project outcomes

Software Prototype Developer

Nov 2022– Dec 2022

Object Oriented Software Engineering Final Project

Carleton University, Ottawa, ON

- Developed a software prototype for a Cranial Electrotherapy Stimulation Device, which involved exploring the various capabilities of the device before physical product design and understanding of user requirements
- Successfully implemented the prototype using **C++, Qt frameworks and Git Version Control**, while actively revising and practicing comprehensive testing scenarios to ensure its functionality and reliability

Test Automation Engineer

Nov 2023– Dec 2023

Software Quality Assurance Final Project

Carleton University, Ottawa, ON

- Implemented and conducted comprehensive testing of the web-based game 'Crazy Eights' using **Selenium, Java, and Git version control**, ensuring the accuracy and effectiveness of the testing process
- Demonstrated problem-solving and debugging skills by identifying and rectifying bugs in the game logic, found during testing, contributing to the enhancement of the game's functionality and user experience

Extra Curricular

- Founder and President - Carleton CUSEC Society [May 2023 - Present]
- Vice President Projects - Carleton Blueprint [July 2023 - Present]
- Director of Promotions - Canadian University Software Engineering Conference 2024 [May 2023 - Present]
- Computer Science Team Lead and Peer Mentor - Carleton Science Student Success Centre [May 2021 - Present]

Skills

- Fluent in English, Hindi, and Gujarati. Functional Knowledge in Sanskrit and Korean (French - classroom level)
- Tools and Tech: C++, Java, Python, C, JavaScript, HTML, CSS, SQL, VS Code, IntelliJ IDEA IDEs, VirtualBox, Notion, MS Office, G Suite, AJAX, Node.js, Express.js, Rest API, MongoDB, Mongoose, Postman API, GitHub, Qt Creator, Panda, Numpy, Kaggle Notebook, Azure DevOps, Junit, Selenium