



ADITYAVERDHAN SINGH CHAUHAN

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Education

Dalhousie University

Sep. 2021 – May 2025

Bachelor of Computer Science

Halifax, Nova Scotia

Courses: Operating Systems, Data Structures, Advanced Algorithms, Data Science, Computer Systems, Databases, Software Development, Statistics, Information Security, Data Mining

Sexton Scholar

April 2022

Academic Excellence Award for obtaining a GPA above **3.70**

Technical Skills

Languages: Python, Java, C, HTML/CSS, JavaScript, SQL, R

Developer Tools/Technologies: VS Code, IntelliJ, AZURE, Git/GitHub, Linux

Analytical Tools: PowerBI, Tableau, Excel, Visio, MSOffice365, PowerShell

Frameworks: jQuery, ReactJS

Experience

Teaching Assistant/Marker

August 2022 – present

Introduction to Computer Programming/Website Development

Halifax, Nova Scotia

- Conducting instructive labs of 40-50 students to teach the basics of Java
- Conducting Labs for Test-driven development, Solid Principles, and Design Patterns.
- Teaching fundamentals of Software Development using Git/Github and Linux Operating systems.
- Providing constructive feedback and suggestions to aid students in their learning.

IT Infrastructure Analyst (Co-Op)

May 2023 – August 2023

Irving Oil Limited

Saint John, New Brunswick

- Providing IT-related technical support and troubleshooting, ensuring seamless transition.
- Collaborated with the team to develop project documentation, ensuring smooth deployment and informed decision-making.
- Utilized PowerShell scripts and automation tools to streamline mailbox migration workflows, leveraging Azure, O365, EAC and ADUC.
- Integrating Azure AD to manage user identities and permissions, enhancing security measures and ensuring proper access controls.
- Collaborating with cross-functional teams to troubleshoot complex SCTASK and CTASK tickets, fostering a collaborative approach to incident and change resolution.

Projects

SolarWinds POC/ SQL

July 2023

- Assisted successful migration and restoration of a backed-up database to a new server, streamlining data management and ensuring data integrity.
- Conducted thorough testing and validation of the upgraded SolarWinds environment.
- Implemented and executed multiple SQL queries to optimize database performance.
- Orchestrated upgrades of SolarWinds from 2018.2 to 2020.6, and later to 2023.2.1, along with upgrading SQL from 2014 to 2019, enhancing system performance and keeping technology up to date.

Board Game GUI / Java, JavaFX

January 2022

- Designed a board game using Java to simulate the common functions of moving the characters on board.
- Implemented object-oriented programming practices such as inheritance to create different subcharacters from the database.
- Programmed modern data structures and search algorithms to build the project to optimize the output in a time and space manner.
- Designed JavaFX to create a GUI that supports actions such as movement of the characters, collision, etc

Leadership / Extracurricular

- Selected for **Deloitte's Business Strategist Case Competition 2023**, and developed a digital banking strategy and implementation plan that would help to increase the acquisition and retention of Gen-Z banking customers in Canada.
- Selected for **SHACKS 2022 Hackathon** organized by Scotiabank and presented a solution for adding new features to improve the financial literacy of new customers.
- **Athletic representative** and Committee member of **Dalhousie Computer Science Society** (Dal CSS).