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| **Ritvik Das**  linkedin.com/in/ritvik-das-960134287  780‑264‑2904 ~ [ritvik2@ualberta.ca](mailto:ritvik2@ualberta.ca) |  |

**academic and co-op status**

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| **Software Engineering Co-op, BSc, University of Alberta** | Class of 2027 |

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| Cumulative Grade Point Average | 3.0/4.0 |

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| Completed Academic Terms | 4/8 |

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| Completed Co-op Work Terms | 0/5 |

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| Available starting January 2025 | 8 months |

**experience**

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| **Software Engineering Intern** | May 2023 - Sep 2023 |

CANEIL, Edmonton, AB

* Revitalized company’s online presence by presenting a more visually appealing and client-friendly interface, through use of WordPress and Elementor, as well as custom HTML and CSS.
* Created a Python script with a GUI operating on a Raspberry Pi using RFID tags to scan and track employee’s attendance.
* Established a MySQL database to store employee name, status, and time of entry.
* Developed a Python program to efficiently manage and monitor non-chargeable employee hours by automating compilation of timesheet data into a consolidated Excel spreadsheet.
* Demonstrated versatility by performing hands-on mechanical maintenance on company trucks, contributing to smooth operation of organization’s fleet.

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**extracurricular activities**

Backend Engineer- OpenWorld, May 2024 - Present

* Developed a Two Factor Authentication service using C++ to verify phone numbers for the OpenWorld application.
* Performed thorough testing for the 2FA system, through GMock and Google Test.

**technical skills**

**Languages:** Python, C/C++, SQL, Java, HTML/CSS, JavaScript, MATLAB

**Frameworks and Tools:** GitHub, Tkinter, CTkinter, WordPress, Bootstrap, Flask, MySQL, OpenPyxl, MSOffice

**Libraries:** Pandas, NumPy, OpenPyxl Matplotlib

**projects**

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| **RoomInventory** | Feb 2024 - Present |

Python, PyTorch, MATLAB

* Utilized MATLAB to preprocess images of household objects.
* Trained PyTorch model to recognize different objects, then classify each into different categories.

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| **FitnessTracker** | Aug 2023 - Present |

Python, Flask, Bootstrap

* Leveraged Flask and Python to design a web interface for individuals to track workout progress over time.
* Applied SQL to manage and store user inputted data.