Akash Adhikary

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EDUCATION

Combined Major in Computer Science and Business   Sep. 2020 – May 2024
University of British Columbia
- **Key Computer Science Courses**: Data Structures and Algorithms, Computer Systems, Software Design, Models of Computation, Intro to Programming
- **Key Business Courses**: Finance, Financial Accounting, Managerial Economics, Management Information Systems, Quantitative Decision Making, Statistics
- **Academic Recognition:** Dean's Honour Roll (3.9 GPA), Top 8% of 789 person class 2020/2021

TECHNICAL SKILLS SUMMARY

Languages: Java, Python, C++, JavaScript, HTML, C, R, Assembly
Developer and Data Analysis Tools: GitHub, Git, VS Code, IntelliJ, PyCharm, RStudio, Microsoft Excel, Tableau
Frameworks and Libraries: JUnit, Swing, JSON, Pygame, tidyverse

WORK EXPERIENCE

Food Distribution Program Organizer   Jun. 2021 – Sep. 2021
Little Mountain Neighborhood House   *Vancouver, BC*
- Recruited and led a team of five volunteers during the weekly food distribution event
- Digitized and organized statistics using Microsoft Excel
- Consolidated outdated client list by 27% analyzing data to determine key clients and referring out-of-catchment clients to community partners
- Increased local produce deliveries per week by 40 lbs by forging a new relationship with the UBC Farm

PROJECTS

SudokuSolver (Self-learning) | *Python, Pygame, GitHub, Git, PyCharm*   Dec. 2021
- Created a program to solve Sudoku puzzles using a backtracking algorithm
- Developed a function to generate random Sudoku boards
- Created a GUI with Pygame to visually illustrate the backtracking solver, where users can play Sudoku

MyFridge (Class Project) | *Java, JSon, JUnit, Swing, GitHub, Git, IntelliJ*   Sep. 2021
- Created an application to digitally simulate a user's fridge
- Created a GUI with Swing, allowing users to view various properties of their fridge
- Implemented a data persistence system to save and load data locally using the JSON library
- Discovered and fixed 30+ bugs through interactive user demos

Ongoing Projects   Present
- Data Structures and Algorithms: Three Programming Assignments | *C++, VS Code, gdb*
- Computer Systems and Architecture: Designing a simulated computer system including CPU, memory, I/O, etc. | *C, Java, Assembly, VS Code, IntelliJ*

VOLUNTEER EXPERIENCE

Mentor   Sep. 2020 – Present
UBC HOPE Initiative Foundation   *Vancouver, BC*
- Provided feedback on personal profiles to prospective UBC Computer Science and Business students
- Explained basic computer science concepts relating to software design and architecture to curious high school students

Campus Ambassador   Sep. 2020 – Apr. 2021
Commerce Undergraduate Society of UBC   *Vancouver, BC*
- Represented the University of British Columbia through presentations to various high schools across the province
- Collaborated with regional coordinators, teachers, and other ambassadors to set up and conduct information sessions

HOBBIES AND INTERESTS

Puzzles, strategy games, soccer, skiing, guitar, violin, hiking, camping