

Gurmanpreet Singh Tiwana

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Education

University of Alberta

Bachelor of Science with Specialization in Computing Science
GPA: 3.90/4.00

Edmonton, AB

Sep 2023- Apr 2027

Awards

- The University of Alberta Regional Excellence Scholarship Feb 2023
- The University of Alberta International Admission Scholarship Feb 2023
- Dean's Honor Roll June 2024

Experience

Student Tutor

University of Alberta

Jan 2024 – Present

Edmonton, AB

Courses tutored: CMPUT 174, MATH 144, MATH 125, STAT 151

- Solved doubts and explained complex concepts, clarifying, understanding and enhancing academic confidence.
- Strengthened problem-solving skills, focusing on practical application of course theories.
- Updated tutoring strategies in real-time, ensuring alignment with evolving course content.
- Tailored sessions to individual needs, significantly reducing academic stress.
- Implemented student feedback mechanisms, refining tutoring techniques and engagement.

Leadership Experience

Events Coordinator

University of Alberta Bhangra Dance Club

Aug 2023 – Apr 2024

Edmonton, AB

Vice President

University of Alberta Bhangra Dance Club

May 2024 - Present

Edmonton, AB

Junior Representative

University of Alberta Computing Science Association (UACS)

May 2024 - Present

Edmonton, AB

Projects

Data Analysis on sample Airline data | Python(pandas, numpy, seaborn, matplotlib)

May 2024

- Analyzed sample airline data for univariate, bivariate and multivariate analysis
- Used data visualization methods for better analysis
- Identified trends and correlations among variables

RREF calculator | Python

January 2024

- Combined my Computer science and Linear Algebra knowledge
- Created a program to calculate the row-reduced echelon form of a matrix

Technical Skills

Languages: Python, HTML/CSS

Developer Tools: Git, VS Code, Visual Studio

Libraries: pandas, NumPy, Matplotlib, seaborn, tkinter