

# ALIM DHUKA

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Waterloo, Ontario, Canada

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## Summary

Driven and enthusiastic computer science student with a passion for mathematics and problem solving. Seeking a challenging internship opportunity in a dynamic environment that will allow me to apply my strong critical thinking, problem-solving, and leadership skills while furthering my knowledge in the fields of math and computer science.

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## Technical Skills

- Programming Languages: Java, Python, C, Racket , R
  - Operating System: Windows, Linux , Mac
  - Web Technologies: HTML, CSS
  - Software Engineering Methodologies: Object Oriented Programming
  - Tools: BlueJ , PyCharm, Visual Studio Code , MS Office
  - Soft Skills : Strong problem-solving skills ,Clear and effective communication skills, Collaborative team player, Effective time management and organizational skills
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## Education

University of Waterloo, Canada

Sept 2023 - Present

Bachelors of Honours Mathematics (Co-op)

Expected Graduation -Year 2028

St John's Universal School, Mumbai

June 2021 - April 2023

High School Diploma (ISC)

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## TRAINING & INTERSHIPS

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Student Intern

Jan 2022-Jan 2022

- Conducted in-depth research on current affairs.
- Participated in a self-development master class.
- Integrated current affairs and self-development for a well-rounded understanding

High Schools Moms

Student Intern

Nov 2022-Dec 2022

- Attended Trinity College Dublin lectures on advanced physics and chemistry topics, including X-rays, Synchrotron radiation, and fascinating chemistry.
  - Achieved a top 200 ranking in a 15-day STEM internship in India.
  - Participated in lectures covering cutting-edge physics and chemistry.
  - Conducted research and authored an essay on scientific contributions to COVID-19.
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## Certifications

- Earned IBM Digital Badges in Emerging Tech, Cybersecurity Fundamentals, AI Foundations, Hybrid Cloud, AI Ethics, and Open-Source Technologies.
  - Achieved a silver badge on HackerRank for proficiency in Python programming, completing challenges and practical projects.
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## Relevant Projects

Alarm Clock Application - Python with tkinter:

- Description:
  - Developed a user-friendly alarm clock application using Python's tkinter library.
  - Implemented features for setting multiple alarms, customizing alarm tones, and displaying a countdown until the next alarm triggers.
  - Integrated error handling for a robust user experience.
- Technology Used:
  - Python
  - tkinter library for GUI development

Game Development (Dodge Ball and Spaceship Rider) - Scratch:

- Description:
  - Created interactive games, "Dodge Ball" and "Spaceship Rider," using Scratch.
  - Demonstrated creativity in game design, allowing players to control characters in dodging obstacles or navigating a spaceship through space.
  - Enhanced logical and problem-solving skills through visual programming.
- Technology Used:
  - Scratch (Visual programming language)

Mall Application - Java with BlueJ:

- Description:
  - Developed a shopping application in BlueJ using Java, allowing users to select products from various shops and calculate the total expense.
  - Engineered a user-friendly interface for browsing products, selecting items, and managing a virtual shopping cart.
  - Implemented features for users to choose products from different shops and add them to their cart.
- Technology Used:
  - Java
  - BlueJ integrated development environment
  - Object-oriented programming concepts for application design

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## Extracurricular Activities

- Coordinated diverse sports events for all age groups as an Aga Khan Youth Board member volunteering.
  - Dedicated voluntary services to community welfare with Bharat Scouts and Guides, aiding senior citizens and managing crowds during festivals.
  - Engaged in the Design for Change program, raising awareness on climate change and environmental conservation
  - Engaged in inter-school app building contests.
  - Demonstrated game development expertise in the Google Scratch Contest.
  - Accomplished multiple sports achievements within the school, including First Prize in Carrom, Third Prize in Chess, Second Prize in Badminton, First Place in Football, and prizes in competitive running. Also excelled in Table Tennis (Third Prize, Intra-School), and secured Second Prize in both Volleyball and Throwball tournaments.
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