Muhammad Ashar

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Undergraduate Coop Student

A reliable, versatile, and disciplined individual with a thirst for knowledge. Also, I am a quick learner who is always willing to try new things. With experience working on several projects and hackathons both individually and in a team. Fluency in multiple languages and eagerness to learn more.

WORK EXPERIENCE

Independent • Kelowna • Part-time • 09/2023 - 01/2024
A java project which calculates various quantities like dot product, reduced row echelon form of a matrix to kinematics values.And later implemented it in android studio for a fully functional app.

Application Developer

NW Hacks • Vancouver • Teaching • 01/2024 - 01/2024
Helped hackers complete their projects for NW Hacks 2024. And finally, judge their submissions.

Mentor and Judge

COSC – 304 • Kelowna • Full-time • 09/2023 - 12/2023
COSC 304 project that uses SQL, HTML, Java Server Pages, CSS, BOOTSTRAP, Ajax, and Cloud server to create an online shopping store.

Web Developer

COSC – 341 • Kelowna • Full-time • 09/2023 - 12/2023
Developed a high-fidelity vertical prototype using Ionic React for a Rent and List application.

Application Developer

Data Hackfest • Kelowna • Full-time • 10/2023 - 10/2023
It's a text-based role-playing game where the user makes decisions that influence the narrative of the game significantly with gorgeous images describing the scenario along with the text. At the end, the user can check the time it took for each decision they made. Plus you can change the scenario and theme of the story, thus making the possibilities endless! With the only limit being your imagination!

Game Developer

The University of British Columbia • Kelowna, British Columbia, Canada • 09/2021 - 09/2023
Events Productions Assistant
- Made sure first-year students were able to experience a jump-start type of event after the last-minute fires disrupted the original event. Helped in the setting up of events to welcome new students and ensured the Create event went successfully.

Undergraduate Research Assistant
- Used SQL and Python to check the effects of COVID-19 on people's interest in coding. Extracted data from StackOverflow using SQL, then visualized it in a meaningful way using Numpy and Seaborn Python libraries.

Destination Peer Leader
- Peer Leaders are a huge part of making Destination UBC a success. As I not only host activities and get people to participate but also ensure the safety and well-being of the student participants at all times. As a Peer Leader, I was assigned 4-5 participants that I was responsible for throughout the weekend.
- There are specified check-in times throughout the weekend. At these times I needed to connect with my participants and make sure they are safe and well. Plus this was the first Destination UBC in-person event in 4 years.

DRC Notetaker
- Edit,write and proof-read notes for the DRC registered students in a timely manner for JPST 100

Food Server and Auxiliary Chef at Pritchard Hall
- Prepared and served food according to SafeChecks standards in the Pritchard dining hall.

TransportHacks • Kelowna • Full-time • 09/2023 - 09/2023
Created a transit pass/ticket system allowing users to use their app to board the vehicle, the app will also generate a history for the user and a summary of statistics for the operating organization. Was the third overall winner.

Hackathon Winner

National Prayer Breakfast • Ottawa, Ontario, Canada • 05/2023 - 06/2023
Junior Intern
- Was part of the 2023 National Prayer Breakfast as part of YCLS. I got an exclusive Parliament experience and interacted with many MPs, Diplomats, the Prime Minister, and other political party leaders both Conservative and Green and also got a tour of the House of Commons by MP Damien Kurek and former MP Harold and his wife. As well as organized a luncheon at Chateau Laurier and met the high commissioner of Pakistan.

Student Union of UBC Okanagan (UBCSUO)
• Kelowna, British Columbia, Canada • 10/2022 - 05/2023

Social Media and Marketing Coordinator
- Manages the social media account for SUO Peer Support Network (PSN) and brainstorm ideas for events.

DATA - 301 • Kelowna • Full-time • 01/2023 - 04/2023
Analysis and correlation of country's GDP, CO2 emissions, and life expectancy using Python and Tableau

Data Scientist

McHacks • Montreal • Full-time • 02/2023 - 02/2023
We created a drink-detecting cup, that detects the user's drink when it is poured into a cup. The app gives nutritional facts, daily insights, and more for McHacks 10.

Engineer

See You Later, Hackulator 2 • Kelowna • Full-time • 12/2022 - 01/2023
Created an app that uses a neural network to help you build healthier eating habits for the new year. Was the winner of the New Year Resolution award.

Hackathon Winner

Bank Nizwa • Muscat, Masqaṭ, Oman • 05/2022 - 06/2022
Operation department and Risk Managment
- Learned the applications and technology used in the banking sector such as MIS and the process of transition towards digitalization in complex documents like real estate.Also gained knowledge about the strategies used to minimize risk in the financial sector.

Age-Link Society • Kelowna • 09/2021 - 04/2022
Treasurer Age-Link
- Handled the finances for one of the most successful UBCO clubs.

EDUCATION

Minor in Data Science
The University of British Columbia • Kelowna • GPA: 79.9 • 09/2021 - 05/2026

Honors Bachelor of Science in Computer Science
The University of British Columbia • Kelowna • GPA: 79.9 • 09/2021 - 05/2026

Certificate in Foods, Nutrition, and Wellness Studies, General
SafeCheck Food Certificate • GPA: Passed with 90+ • 08/2021 - 08/2021

A levels and SAT
Pakistan School Muscat • GPA: A,A*,A,A -Physics,Mathematics,Chemistry and ICT and SAT Physics -700
 • 09/2018 - 07/2021

IGCSE in Math,Physics,Chemistry,ICT,Islamiyat,Pakistan Studies,English
Beaconhouse • GPA: 4A 3B • 09/2017 - 09/2018

CERTIFICATIONS

Database Web Development
Canvas Credentials (Badgr) • 12/2023 - Present

HTML Essential Training
LinkedIn • 08/2022 - Present

Learning R
LinkedIn • 08/2022 - Present

Learning the Java Script Language
LinkedIn • 08/2022 - Present

Python for Students
LinkedIn • 08/2022 - Present

Operations Department
Bank Nizwa • 06/2022 - Present

Strategy-Risk Department
Bank Nizwa • 06/2022 - Present

VOLUNTEER CERTIFICATE
Federation for the Humanities and Social Sciences • 06/2021 - Present

AS and A level
01/2021 - Present

IELTS ACADEMIC
IELTS Official • 01/2021 - Present

Certificate of Training
SafeCheck Learning & Certification • 09/2021 - 09/2022

AWARDS & SCHOLARSHIPS

TransportHacks
MLH • 09/2023

McHacks Travel Bursary
McHacks • 02/2023

tuum est
UBCO • 02/2023

See You Later, Hackulator 2 WINNER New Year Resolution
DEVPOST • 01/2023

DEPUTY VICE-CHANCELLOR SCHOLARSHIP FOR INTERNATIONAL STUDENTS
UBC • 09/2022

International Student Scholarship
University of Alberta • 01/2021

University of Alberta International Country Scholarship
University of Alberta • 01/2021

PROJECTS

COSC 304 Webstore
11/2023 - 12/2023

COSC 304 project that uses SQL, HTML, Java Server Pages, CSS, BOOTSTRAP, Ajax, and Cloud server to create an online shopping store

Neon Narratives
10/2023 - 10/2023

It's a text-based role-playing game where the user makes decisions that influence the narrative of the game significantly with gorgeous images describing the scenario along with the text. At the end, the user can check the time it took for each decision they made. Plus you can change the scenario and theme of the story, thus making the possibilities endless! With the only limit being your imagination!

Zenith Transit
09/2023 - 09/2023

This is a transit pass/ticket system allowing users to use their app to board the vehicle, the app will also generate a history for the user and a summary of statistics for the operating organization. Won the third place overall in the transportation hacks.

Chopsticks game
07/2023 - 07/2023

Chopsticks (sometimes called Calculator) is a hand game for two or more players, in which players extend a number of fingers from each hand and transfer those scores by taking turns to tap one hand against another, recreated using java

Randomized-Password-generator
07/2023 - 07/2023

A Java project which creates a randomized password according to the users desired length

Sudoko Solver
07/2023 - 07/2023

A java program which solves the classic game

Computer Science,Chemistry,Dynamics,Mechanics and Statistics Calculator
05/2023 - 05/2023

A java project which calculates various quantities like dot product, reduced row echelon form of a matrix to kinematics values.

Sustainable Development
01/2023 - 04/2023

Analysis and correlation of country's GDP,CO_2 emissions, and life expectancy using python and Tableau

Drink Service
02/2023 - 02/2023

We created a drink-detecting cup, that detects the user's drink when it is poured into a cup. The app gives nutritional facts, daily insights, and more for McHacks 10.

New Year Cafeteria
12/2022 - 01/2023

An app that uses a neural network to help you build healthier eating habits for the new year. Won See You Later, Hackulator 2 prize for New Year Resolution

Subscription Manager
11/2022 - 11/2022

A subscription manager we created for BC HACKS 2022

VOLUNTEERING & LEADERSHIP

Let's Talk Science | Parlons sciences
Volunteer Staff • 09/2022 - Present

Volunteered to help children develop an interest in STEM subjects.

Mathew House
Volunteer • 05/2023 - 06/2023

Helped in carrying furniture as well as paint houses for incoming refugees.

Safe Families for Children
Volunteer Staff • 05/2023 - 06/2023

Volunteered for Safe Families by working with Summersault at Carleton University to raise money for them and helped in the triathlon by providing the runners with water and electrolytes and monitoring the checkpoints.

CityKidz Hamilton
Volunteer • 06/2023 - 06/2023

Organised a carnival for adolescent kids by helping in setting up bouncy castle and helping the senior staff pick them up from their home to the carnival place.

Ottawa Innercity Ministries
Volunteer • 06/2023 - 06/2023

Helped distribute food to the homeless.

A Rocha Canada
Volunteer Gardener • 05/2023 - 05/2023

Helped pull out weeds and plant flowers at University of Ottawa.

Power to Change
Love Vancouver Participant • 02/2023 - 02/2023

Volunteered at homeless shelters to help the staff at Belkin House and UGM with their daily work like preparing and serving food and cleaning the mattresses.Volunteered at homeless shelters to help the staff at Belkin House and UGM with their daily work like preparing and serving food and cleaning the mattresses.As part of the Love Vancouver 2023 mission.

Metro Kelowna
Volunteer cook and server • 05/2022 - 05/2022

Cooked food and served it to the homeless and less-priveleged

Federation for the Humanities and Social Sciences
Room monitor • 08/2021 - 08/2021

Monitored the zoom calls between the staff from various universities and made sure the meetings go smoothly and also helped as a technician.

SKILLS & INTERESTS

CSS, FireBase, HTML, Ionic React, Java, JavaScript, JSON, MIPS, Python (Programming Language), R (Programming Language), SQL, WebGL, XML

GitHub: https://github.com/MASHAR27

Languages: English - Bilingual, French - Limited, Hindi - Bilingual, Urdu - Native