Apram Ahuja

Year 3, Mathematics Major Data Science Minor

apri@student.ubc.ca | apramm.github.io | +1 (778)-886-3831 | LinkedIn | GitHub

Technical Skills

Languages : Java, JavaScript, C, C++, R, Python, PHP, SQL
Testing : GDB, JUnit, TDD
Technologies / Frameworks : React, Node.js*, Swing, Git, LaTeX, HTML/CSS

Education

University of British Columbia, Vancouver   Expected Graduation : April 2026
Year 3, B.Sc. Mathematics and Minor Data Science
Relevant Coursework: Data Structures & Algorithms, Intro to Operating Systems, Object Oriented
Programming, Quantitative Economic Models with Data Science, Linear Algebra, Relational Databases.

Technical Work Experience

WL - Operation Staff   08/2022 - current
UBC - Athletics & Recreation

- Actively engaged in opportunities to stay up-to-date with the latest AV technologies used in the recreation centers
- Prioritize safety of participants by enforcing safety protocols as in the first aid level A training
- Proficiently handle and troubleshoot technical problems with users accounts and payments

Web Designer   09/2021 - 05/2022
UBC BizHacks

- Demonstrated expertise in WordPress customization, including CSS and HTML modifications, to ensure the alignment of websites with client branding and design requirements
- Collaborated closely with logistics, marketing teams to understand their specific web design requirements, translating their vision into visually appealing and functional WordPress websites

Personal Projects

ASA DataFest : Pro Bono Services Usage Consultancy (GitHub) | Python, Jupyter   April 2023

- Collaborated with a partner to manage and pre-process the large dataset provided by American Bar Association (ABA) helped in identification of patterns between clients, attorney and question posts
- Used Time Series to advice ABA to increase workforce in US state with lowest attorney to client ratio over the span of six years despite the increasing trend of questions asked
- Provided ABA with 8 major clusters of questions asked by the majority of clients using BERTopic NLP model classifying the text into major categories using similarity matrix

NWHacks23 : Eat Right (GitHub) | JavaScript, HTML, CSS, Git   Jan 2022

- Collaborated in a team to develop a user-friendly diet planning application based health status calculated via BMI
- Implemented robust user authentication and data handling for login using JSON and fetch mechanism

Academic Projects

Zoo Management System (GitHub) | SQL, PHP, CSS   May 2023 - July 2023

- Designed and built a relational database application for a zoo organization to manage exhibitions and animal data using Oracle and SQL
- Wrote custom queries for the users to extract animal data and exhibits popularity/demographics

- Developed a user-friendly web interface using PHP and CSS for users to input data and perform queries online

Football Betting Odds Predictor ([GitHub](#)) | Python, Git   Jan 2023 - April 2023

- Wrangled and tidied data of past 4 years for 4 different leagues for smooth analysis and processing on a reliable dataset in Python
- Built random forest regression and logistic regression models to effectively predict the accuracy of betting odds in each football match
- Created visualizations such as heat-maps, box-plots for exploring and depicting reliability of model predictions

Online Banking ([GitHub](#)) | Java, JUnit, JSwing, Git   Jan 2022 - April 2022

- Java based Desktop Application to handle complex banking operations, utilizing JSwing framework to establish a graphical user interface
- Tested an object oriented banking program with JUnit and JSON persistence
- Implemented an event log to successfully track user progress, resulting in an efficient data storage of activities associated with the user

Non-Technical Work Experience

Catering Associate   04/2022 - 05/2023
Alma Mater Society UBC

- Provided exceptional service delivery of all food and beverage services for Banquet/Conferences
- Managed off site catering and deliveries as well as conference services conducted in and around the AMS Nest honing both time management and communication skills

Sandwich Artist   10/2021 - 05/2022
UBC Food Services

- Provided accurate service to all the menu items to customers in a helpful and cheerful manner
- Honed my customer service and efficiency skills by working in a fast paced environment

Volunteer Experience

Orientation Leader   08/2023
UBC Centre for Student Development and Leadership

- Successfully collaborated with faculty fellows to create a sense of community among incoming students
- Demonstrated exceptional leadership skills in this role by fostering engagement and connections within a group of ~30 first-year students
- Developed strong communication, time management while facilitating events and supporting first year students in finding opportunities for involvement and access to resources

Logistics Coordinator   08/2022 - current
Science Undergraduate Society UBC

- Coordinated the logistical aspects of the 2021 Science Undergraduate Society's Awards Night Event
- Managed the nomination and application process for a diverse range of award categories including student leaders, undergraduate TAs/ researchers