

Harprabh S. Gill

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EDUCATION

Calgary, AB	University of Calgary	Sept 2019 – Dec 2024
<ul style="list-style-type: none">Major: Bachelor of Science in Computer ScienceAwards: Dean's List, Jason Lang Scholarship (x3)CPSC Coursework: Data Structures, Algorithms & Analysis, Operating Systems, Networks, Data Base Management Systems, Human-Computer Interaction, Programming Paradigms, Web-Based SystemsMath Coursework: Linear Methods, Statistics, Calculus, Logic, Discrete Mathematics		

EMPLOYMENT

Data Engineering, Intern	Suncor Energy Inc	Jan 2023 – Dec 2023
<ul style="list-style-type: none">Developed ETL pipelines to integrate cloud cost metrics into an Azure database and created interactive Power BI dashboards for cost analysis and cost-reduction insights.Integrated an automated code review tool to enforce coding standards and detect code smells.Constructed data pipelines to extract project owner information for a Power BI report, enabling visibility into project responsibilities and facilitating effective stakeholder communication.Utilized Pandas and Spark to efficiently process and transform large datasets, enabling seamless data integration across systems and improving the accuracy and speed of downstream analyses.		
Cashier/Merchandise Associate	Marshalls Inc	Oct 2021 – Dec 2022
<ul style="list-style-type: none">Collaborated with supervisors to maintain well-stocked inventory levels.Communicated effectively with managers to assign tasks to team members.Thrived in a fast-paced team environment, enhancing overall efficiency.Provided comprehensive training to new hires, adapting to various situations and areas of responsibility.		

PROJECTS

Sports Prediction Machine Learning Program		
<ul style="list-style-type: none">Developed a sports prediction machine learning program focused on the NBA, with plans to expand to other sports.Web scraped and cleansed data using Pandas to prepare for analysis.Utilized the Scikit-learn library to train a logistic regression model, analyzing parameters such as home/away status, recent games, previous matchups, and season averages.Predicted player statistics for future games based on historical performance data.		
CO-OP Self-Checkout System		
<ul style="list-style-type: none">Designed a Java-based self-checkout system that simulates scanning items and adding products to a virtual cart.Implemented a feature to simulate bagging purchased items during the checkout process.Developed a payment module to simulate cash and credit/gift card transactions for completed purchases.		
MadGame		
<ul style="list-style-type: none">Developed a multiplayer Mad Libs-style game allowing guest play, login/register, and friend additions.Designed an interactive interface in React/CSS, enabling players to fill in words (nouns, verbs, etc.) in a blurred story.Integrated a PostgreSQL database to store user information such as account and friends as well as generated stories.		
Dots And Boxes		
<ul style="list-style-type: none">Developed a Dots and Boxes game using HTML, CSS, and JavaScript, enabling multiplayer functionality.Implemented socket creation for generating different game rooms that players can join.Managed server requests to facilitate real-time gameplay between players in online rooms.		

CERTIFICATIONS

Microsoft Certified: Azure Data Fundamentals (DP-900)	Microsoft	Jan 2023
Python for Data Science, AI & Development	IBM	Sept 2023
Intro to Trading, Machine Learning & GCP	New York Institute of Finance	Sept 2023

SKILLS

Languages: English (Fluent), Punjabi (Fluent), Hindi (Intermediate), Urdu (Intermediate)
Programming Languages: Java, Python, C/C++, JavaScript, HTML, CSS, SQL, Git, Unix, React, React Native, Php