SIMRANDEEP KAUR

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TECHNICAL SKILLS

- **Programming Languages:** Python, Java, SQL, JavaScript, HTML/CSS
- **Data Collection & Cleaning:** Web Scraping, Data Cleaning, Data Validation
- **Data Analysis & Visualization:** Power BI, Tableau, Advanced MS Excel, IBM Cognos Analytics
- **Business Systems & Requirements Gathering**: Use Case Modeling, Process Mapping, Functional & Non-Functional Requirements, Stakeholder Engagement
- **Database Management:** PostgreSQL, MySQL, BigQuery, MS SQL Server, Oracle, MS Access,
- **Soft Skills:** Analytical Skills, Decision Making, Communication skills, Organizational, Critical Thinking, Problem-solving, Leadership, Team Player

CERTIFICATIONS & AWARDS

- **Dean's Honor List -** University of Winnipeg
- **Google Data Analytics Professional Certificate**
- **Software Engineering Job Simulation -** JPMorgan Chase & Co.
- **Databricks Fundamentals Accreditation - Databricks**

EDUCATION

BSc in Applied Computer Science (University of Winnipeg)   **Jan 2022 – Oct 2024**

- **Relevant Coursework:** Statistical Analysis, Database Systems, System Design, Data Structures & Algorithms, Computer Networks, Information Systems

PROJECTS

Crypto Currency Dashboard

- Designed a Power BI dashboard to track cryptocurrency prices, market capitalization, and trading volume, using forecasting techniques to identify trends.
- Integrated datasets from Kaggle to analyze historical data and leverage data visualization techniques for trend identification and forecasting.
- Enabled comparative analysis of different cryptocurrencies to assess risks and investment opportunities.

MediTrack–Hospital Management System

- Engineered a scalable Java application utilizing Java-Swing and AWT for hospital operations, reducing patient intake processing time by 67%.
- Implemented SQL queries for features such as patient registration and appointment scheduling and improved efficiency through optimization of processes and resource allocation for over 1,000 monthly admissions.
- Applied SDLC principles to gather requirements and validate project feasibility to enhance product development, monitoring, and tracking hospital operations.

Movie Recommendation System

- Developed a personalized movie recommendation system leveraging features like genre, keywords, and cast/crew details.
- Implemented text processing techniques with NLTK to enhance data accuracy and utilized scikit-learn for vectorization and cosine similarity for movie recommendations.
- Created an interactive web application using Streamlit and deployed it on Heroku, allowing users to input their favorite movie and receive the top 5 recommendations based on selected features.

EXPERIENCE

Contributor - Outlier AI   **Oct-2024 – Present**

- Evaluated and tested AI-generated code, improving system accuracy by 15% through data-driven insights and algorithmic refinements.
- Collaborated with cross-functional teams to enhance AI-driven solutions, ensuring alignment with business objectives.
- Provided strategic recommendations based on trend analysis, improving predictive analytics accuracy.
- Implemented strong problem-solving and analytical skills to diagnose issues and implement solutions.

Operational Specialist - SkipTheDishes   **April 2023- Sept 2023**

- Resolved complex technical support inquiries via chat, email, and phone, achieving a 95% first-contact resolution rate and enhancing customer trust.
- Reduced escalation rates by 20% by guiding users through system navigation and troubleshooting.
- Partnered with cross-functional teams to design solutions for recurring issues, ensuring process improvement and enhanced application support.

Store Supervisor - Shawarma Khan   **July 2022- Oct 2024**

- Managed daily operations, including inventory control, staff scheduling, and customer service, optimizing resource allocation and operational efficiency.
- Led a team in optimizing business processes, increasing revenue by 15% through operational improvements.
- Developed reports on sales and staffing trends to support business decision-making, resulting in a 25% increase in customer satisfaction.