

## SIMRANJEET KAUR GILL

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### EDUCATION

**Illinois Institute of Technology, Chicago, Illinois** - Master of Information Technology Management

May 2024

**San Diego State University, San Diego, California** - MS in Management Information System

May 2023

**Barkatullah University, India** - Bachelor of Commerce (Honors)

July 2021

### SKILLS

**Languages:** Python, SQL, R, HTML

**Tools:** MySQL, Power BI, MS Excel, MS Project, MS Office suite, R Studio

**Analytical skills:** Data visualization, Data extraction, V-Lookup, Pivot, Data Quality Assurance, Data Manipulation

**Coursework:** Object-Oriented Application Development, Service Oriented Architecture, Enterprise Database Management Consulting for Technical Professional, Client- Server Technology, Process Engineering for Information Technology Manager, Information Technology Frameworks, IS Security Management, Advance topic in Data Management, Advance Statistic, Marketing Management.

**Certification:** Python-Data Structure, Business Analytics for decision making, Relational Database Implementation and Applications, Project Management, Data Modeling in Power BI.

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### PROFESSIONAL EXPERIENCE

**Galaxy Construction, Shivpuri, India – Analyst**

October 2021 – May 2022

- Analyzed a variety of reports pertaining to company operations, including budgets and sales results, achieving an 75% accuracy rate in data quality.
- Assisted in enhancing data quality and management processes, supporting strategic decisions across construction projects.
- Spearheaded the development and implementation of automated data workflows using Python, enhancing data reporting efficiency by 15%.
- Designed and deployed a KPI dashboard in Power BI, improving project management efficiency by 10% through real-time tracking of deadlines and budget.

**Vindhyachal Filling Centre, Bhopal, India– Intern**

September 2020 – January 2021

- Conducted comprehensive data analysis for 250 customers, improving query assistance and refining data quality.
- Evaluates the completeness and accuracy of 50-70 monthly journal entry data to aid in the preparation, maintenance and verification of financial records and accounting statistics.
- Played a key role in optimizing workflow processes, achieving a 40% reduction in maintenance costs through meticulous data review and process adjustment.
- Recorded financial statements and managed accounting statistics which proceeds to management and sales team.

### PROJECTS AND RESEARCH

**Domain: Data Manipulation | Flight Reservation and Booking System |**

**Tech Stack: SQL, Excel**

- **Objective:** To create a flight reservation function by loading and to create DB Tables and executing DDL and DML queries.
- **Solution:** Engineered a database system from conceptualization to implementation, including ER diagrams, normalization, and SQL queries, focusing on data integrity and quality.
- **Key Achievement:** Generated test data to simulate Passenger details, flight details, and available seats.

**Domain: Data Analysis | Customer Sentiment Analysis**

**Tech Stack: R Studio, Excel**

- **Objective:** Analysed women's ecommerce clothing reviews to gain insights into customer satisfaction and fashion trends.
- **Solution:** Employed R programming for comprehensive data exploration, cleaning, transformation, analysis, and visualization, utilizing techniques such as sentiment analysis and statistical modeling.
- **Achievement:** Delivered actionable insights and optimized strategies by leveraging advanced data analytics techniques, resulting in informed decision-making and enhanced business outcomes.

## **LEADERSHIP AND ORGANIZATIONAL EXPERIENCE**

- Led the coordination of the "BLAZE" art expo and exhibition at The Bhopal School of Social Sciences, showcasing organizational and leadership skills.
- Contributed to village development projects as a volunteer for ANSH Happiness Society, demonstrating commitment to social responsibility.
- Served as Class Representative at The Bhopal School of Social Sciences, representing and advocating for student interests effectively.
- Published research at The Bhopal School of Social Sciences, highlighting academic dedication and ability to conduct in-depth studies.