

# ASHISH

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## Summary

Entry-level Data Scientist with hands-on experience in machine learning, data analysis, and end-to-end analytics projects. Strong foundation in data preprocessing, exploratory data analysis, feature engineering, and model evaluation using Python and Scikit-Learn. Experienced in building recommendation system, predicitve models, and SQL-based analysis on real-world datasets

## Technical Skills

**Programming & Analysis:** Python (pandas, NumPy), SQL

**Machine Learning:** Linear Regression, Logistic Regression, Decision Trees, Model Evaluation (RMSE, R<sup>2</sup>)

**Data Analytics:** Data Cleaning & Preprocessing, EDA, Feature Engineering, Descriptive Statistics

**Visualization & BI:** Power BI (Dashboards, basic DAX), Matplotlib, Seaborn

**Tools:** Scikit-Learn, Jupyter Notebook, GitHub, VS Code

**Databases & Spreadsheets:** MySQL, Excel (Pivot Tables, VLOOKUP)

## Projects

### Movie Recommendation System (Content-Based Filtering) | Python, Scikit-learn - [GitHub](#)

- Designed and implemented an end-to-end content-based movie recommendation system using structured movie metadata and cosine similarity to recommend top-N similar movies.
- Performed data cleaning, text preprocessing, and feature engineering using CountVectorizer to improve recommendation relevance and similarity accuracy.
- Combined multiple content features (genres, keywords, descriptions) into a unified features space to enhance similarity-based recommendations.

### House Price Prediction | Python, Scikit-learn - [GitHub](#)

- Analyzed structured housing datasets and performed data cleaning, EDA, and feature engineering to identify key factors influencing property prices.
- Developed and Compared regression models to predict house price ranges and evaluated performance using RMSE and R<sup>2</sup> Metrics.
- Interpreted model outputs to provide data-driven insights for pricing trends.

### Pizza Sales SQL Analysis | SQL, MySQL - [GitHub](#)

- Performed end-to-end SQL Analysis on a relational pizza sales database (orders, orders\_detials, pizzas, pizza\_types) to answer real-world business questions related to revenue, demand pattern, and product performance.
- Wrote optimized SQL Queries using INNER JOINs, GROUP BY, HAVING, subqueries to analyze total revenue, top-selling pizzas, category-wise sales contribution, and hourly order distribution.
- Derived actionable insights such as peak ordering hours, high-revenue pizza categories, and cumulative revenue trends to support menu optimization and inventory planning decisions.

### Coffee Shop Sales Analysis | Python, pandas, Excel - [GitHub](#)

- Cleaned and analyzed retail sales data to identify hourly, daily, and weekly performance trends using pandas and Excel.
- Conducted univariate and bivariate analysis to evaluate product-level and customer-level sales behavior.
- Derived actionable insights on peak sales periods and top-performing products to support business decision-making.

## Experience

### Data Science Trainee | Python

Novem Controls Pvt. Ltd., Mohali | June 2025 – July 2025

- Performed exploratory data analysis and preprocessing on real-world datasets to identify patterns inconsistencies, and key variables for analysis.
- Built and evaluated basic machine learning models using Python and Scikit-learn, applying feature engineering and statistical techniques to support analytical insights.
- Cleaned, transformed, and prepared structured datasets and presented findings during internal review meeting to support data-driven decision-making.

## Education

### Master of Computer Applications (MCA)

Kurukshetra University, Kurukshetra | 2024 – 2026

### Bachelor of Science (Non-Medical)

Ch. Bansilal Govt. College, Loharu, Bhiwani | 2021 – 2024