

RITIKA GOYAL

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Aspiring Data Scientist | Python | SQL | Power BI | Machine Learning

Professional Summary

Analytical and detail-oriented Data Science enthusiast with strong foundations in Python, SQL, and machine learning. Skilled in extracting insights from complex datasets, building predictive models, and creating interactive dashboards using tools like Power BI. Proven ability to work on end-to-end data projects, from data cleaning and analysis to model deployment. Passionate about solving real-world problems through data-driven decision-making.

Academic Qualifications

- **Bachelor of Computer Applications**, CCS University (2021–2024) | **CGPA: 7.74**
 - **Higher Secondary (XII)**, CBSE (2021) | **CGPA: 8.84**
 - **Secondary (X)**, CBSE (2019) | **CGPA: 9.63**
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Technical Skills

Languages & Tools: Python, SQL (MySQL), Power BI, Advanced Excel, HTML, CSS

Libraries & Frameworks: Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn

Concepts: Data Cleaning, EDA, Statistical Analysis, Predictive Modeling, Machine Learning, Data Visualization, Web Deployment (Streamlit)

Certifications

- **Data Science Course** – DUCAT Institute
 - **Full-Stack Django Internship** – Djubo
 - **MySQL for Data Analysis** – Achievement Certificate
 - **Software Engineer Certificate** – HackerRank
 - **Data Science Trainee** – Thotnr
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Projects

✦ Medicine Recommendation System

- **Technologies:** Python, Pandas, Scikit-learn, Streamlit
- Built a machine learning model to recommend medicines based on symptoms and medical history.
- Performed data preprocessing and implemented classification algorithms.
- Deployed an interactive Streamlit web app for real-time usage.

✦ Sales Prediction Model

- Developed a regression model using Scikit-learn to forecast future sales trends.
- Cleaned and visualized historical data using Pandas and Seaborn.

✦ Movie Recommendation System

- Created a content-based recommendation engine using cosine similarity on movie metadata.
- Integrated TMDb API and deployed an interactive app with Streamlit.

✦ Voice Assistant Using Python

- Designed a speech-based assistant capable of handling basic system tasks and answering queries.
- Utilized speech_recognition, pyttsx3, and webbrowser libraries.

✦ Connect App – Video Conferencing Platform

- Built a Django-based video conferencing app with login/authentication and real-time chat.
- Implemented front-end with HTML, CSS, and JavaScript.

✦ Aggarwal Sweets Website

- Designed and deployed a responsive business website to enhance online visibility.
- Focused on user-friendly navigation and clean UI/UX.