

PIYUSH SINGH

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Professional Summary

Data Science fresher skilled in **Python**, **SQL**, **Excel**, and **Power BI** with a strong foundation in **data analysis**, **visualization**, and **machine learning**. Eager to apply analytical skills and academic knowledge to deliver meaningful insights and solve real-world problems.

Education

Education	Institution	Passing Year	Percentage / CGPA
B.Tech (CSE)	NIMS University Rajasthan	2026	7.24 CGPA
12th	Kendriya Vidyalaya	2022	81.4%
10th	Kendriya Vidyalaya	2020	84.2%

Technical Projects

Traffic Flow Prediction | github.com/Piyush9928/Traffic-flow-prediction

- Built a machine learning model to predict traffic conditions using historical traffic flow data.
- Applied data preprocessing (time/date conversion, feature extraction, label encoding) and EDA to identify patterns.
- Trained and evaluated a Random Forest Classifier, validated with accuracy, confusion matrix, and classification report.
- Analyzed feature importance to highlight key factors influencing traffic flow predictions.

Loan Approval Prediction | github.com/Piyush9928/Loan-approval-prediction

- Built a machine learning model to predict loan approval outcomes using applicant financial and demographic data.
- Performed data preprocessing including handling missing values, feature engineering, and encoding categorical variables.
- Trained and evaluated models such as Logistic Regression and Random Forest, validating performance with accuracy, precision, recall, and ROC-AUC.
- Provided feature importance insights to identify key factors influencing loan approval decisions.

Skills

- Languages** : Python, SQL
- Python Libraries** : Numpy, Pandas, Matplotlib, Sklearn
- Databases and Tools** : MySQL, SQLite, Git, GitHub
- Data Visualisation Tools** : Power BI, Excel(Pivot Tables, VLOOKUP, Charts)
- Concepts** : Data Cleaning, Exploratory Data Analysis, Statistical Analysis, Data Modeling, ETL Basic
- Soft Skills** : Problem-Solving, Collaboration, Communication, Time Management

Certifications

- Deloitte Data Analytics Job Simulation – Forage
- SQL Bootcamp – Lets Upgrade
- Getting Started with Microsoft Excel – Coursera
- Python with AI – AI for Techies
- Power BI – Infosys Springboard

Achievements

- Solved 100+ LeetCode problems (Data Structures & Algorithms)
- Awarded 5 Star in Python on HackerRank