

# PRIYANSHU SINGH

DATA SCIENTEST AND DATA ANALYST

# CONTACT

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## Portfolio Website

Varanasi,India

## SKILLS

**Python Libraries:** pandas, NumPy, matplotlib, scikit-learn  
**Data Visualization:** Power BI, Excel, matplotlib  
**Statistical Analysis:** Hypothesis Testing, Regression & Predictive Modeling, Probability & Distributions  
**Version Control:** Git, GitHub

### Soft Skills

- Problem-Solving
- Communication
- Team Collaboration
- Attention to Detail

### Languages

English – Proficient  
Hindi – Native / Fluent

### Programming Languages

Python, R, SQL

## CERTIFICATIONS

**Data Science Mentorship Program 2.0 – CampusX**

- Covered Machine Learning, SQL, Python, Statistics, and end-to-end project development with mentorship support.

**Data Analytics with Python – NPTEL, 2025**  
**Introduction to Biostatistics (Ongoing) – NPTEL, 2025**

## EDUCATION

**Master of Science in Statistics**  
Banaras Hindu University  
**CGPA: 8.2 (up to 2nd semester)**

**Bachelor of Science in Statistics**  
Banaras Hindu University  
Graduated: July 2024  
**CGPA: 7.2**



## PROFILE

Dedicated M.Sc. Statistics student at Banaras Hindu University with demonstrated expertise in statistical modeling, data analysis, and machine learning. Proficient in Python, SQL, and business intelligence tools including Power BI and Tableau. Experienced in developing predictive models and translating complex datasets into actionable business insights. Strong background in statistical analysis, hypothesis testing, and data visualization with proven ability to drive data-driven decision making. Passionate about leveraging analytical skills to solve challenging business problems and deliver measurable impact in dynamic environments



## PROJECTS

### Gurgaon Real Estate Price Prediction | Machine Learning Project

- Built an ML model to forecast property prices with 88% accuracy using advanced preprocessing and feature engineering.
- Implemented regression models including Linear Regression, Random Forest, and Gradient Boosting.
- Incorporated location, property size, amenities, and market trends for robust forecasting performance.

[GitHub Repository](#)

### Developer Job Role Prediction | Machine Learning Project

- Predicted developer job roles using the Stack Overflow Developer Survey dataset through comprehensive data analysis.
- Applied t-SNE and hierarchical clustering on 150+ skills to identify meaningful patterns and relationships.
- Built multi-label classifiers, achieving an F1 score of 0.85.
- Developed a skill-based prediction and career recommendation tool to guide professional development.

[GitHub Repository](#)

### Olympics Data Analysis (SQL)

- Performed advanced SQL queries on Olympic dataset to analyze medal counts, athlete performance, and country-wise trends.
- Delivered insights into historical performance patterns across multiple editions

[GitHub Repository](#)

### IPL Match Analysis (SQL)

- Conducted SQL-based analysis on IPL deliveries & matches dataset.
- Extracted insights on player performance, team strategies, and match outcomes.
- E-commerce Sales Dashboard (Power BI)
- Designed interactive dashboard to monitor KPIs such as sales, revenue trends, and customer segmentation.

[GitHub Repository](#)

### Music Store Analysis (SQL)

- Analyzed a digital music store database using advanced SQL queries.
- Identified top-selling tracks, customer purchasing patterns, and revenue trends.
- Generated insights on artist performance to support data-driven business decisions.

[GitHub Repository](#)