

# Priyansh Ranjan



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## PROFESSIONAL SUMMARY

- Aspiring Computer Science graduate with a solid foundation in data analysis, statistical modeling, and Business Development. Proficient in Python, SQL, Power BI, Tableau and Statistics with a passion for extracting actionable insights from complex datasets.
- Demonstrated ability to apply statistical techniques and machine learning algorithms to solve real-world problems. Eager to leverage technical skills, academic knowledge and excellent interpersonal skills to contribute to data-driven decision-making in a dynamic environment.

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## SKILLS

- **Programming Languages:** Python, Java, R
- **Data Analysis & Visualization:** Pandas, NumPy, Matplotlib, Seaborn, Power BI, Tableau.
- **Machine Learning:** Scikit-learn, Supervised and Unsupervised Learning.
- **Database Management:** SQL, Database Optimization.
- **Statistical Analysis:** Hypothesis Testing, Regression Analysis, Probability Theory.
- **Tools:** Google Colab, Jupyter Notebook, Git, Excel.

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## EDUCATION

**Bachelor of Engineering - Computer Science Engineering**  
Chandigarh University | Punjab

**2020 - 2024**

- Relevant coursework: Data Science, Machine Learning, Statistics, Business Intelligence, Data Mining, Database Management, Object-Oriented Programming, Computer Networks, Internet Of Things, Data Structure and Algorithms.
- CGPA : 7.89

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## PROJECTS

### AMAZON SALES DATA ANALYSIS

- **Objective :** Conducted a comprehensive analysis of Amazon sales data to derive actionable insights and support business decision-making.
- Performed data cleaning by handling missing values and converting data types to ensure consistency and accuracy.
- Calculated key performance metrics and such as total sales and average order value, Analyzed sales distribution to understand sales behavior and identify outliers.
- **Tools :** Python Libraries like - Pandas, Seaborn, Matplotlib
- **Outcome :** Identified key sales trends and patterns, aiding in strategic planning and inventory management.

## NETFLIX MOVIES AND TV SHOWS CLUSTERING

- Objective : Implemented clustering algorithms to group Netflix movies and TV shows based on various attributes to identify viewing patterns and content similarities.
- Gathered and preprocessed data, including movie/TV show titles, genres, ratings, and release dates. Cleaned and analyzed the data to ensure uniformity across all the features.
- Applied K-means and hierarchical clustering algorithms to identify content clusters.
- Visualized clusters using PCA and t-SNE to interpret high-dimensional data in 2D space.
- Tools used : Pandas, numpy, scikit-learn, matplotlib, seaborn.
- Outcome : Identified distinct clusters that reveal patterns in viewer preferences and content similarities.

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## WORK EXPERIENCE (INTERNSHIPS)

### Data Analyst Intern, Unified Mentor Private Limited

April 2024 - June 2024

- As a Data Analyst Intern I was assigned to work on Projects like - Amazon Sales Data, Heart Disease Diagnostic, Crop Production and Budget Sales Analytics
- Performed analysis and generate Useful Insights for better decision making
- Technologies Used - Python, Power BI, Pandas, Matplotlib, Seaborn, Numpy and more

### Data Analyst Intern, Psyliq

March 2024 - April 2024

- Managed project Employee Dataset Analysis as a Data Analyst.
- Followed timeline of the project and made LLD, HLD, PPT, to support my findings
- Received Letter of Recommendation after internship Completion
- Technologies Used - Tableau, Excel, SQL, Python, Statistical Analysis

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## CERTIFICATIONS

- Power BI Job simulation (PwC)
- Data Analytics and Visualization Job simulation (Accenture)
- Data Visualisation (TCS)
- Business Intelligence and Data Analytics (Coursera)
- Business Intelligence Concepts, Tools, and Applications (Coursera)
- Data Science Professional Using R (Infosys Springboard)

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## VOLUNTEER EXPERIENCE

### Volunteer at Harmony Earth Foundation (NGO)

**Organization:** Harmony Earth Foundation, in association with IIT Ropar, Punjab

**Aim:** This NGO works for the better future of underprivileged students and voice-less animals

- Taught core subjects including Mathematics, Science, and English to 30+ underprivileged students.
- Contributed to increased school enrollment and attendance rates in the community.
- Collaborated with parents and community members to promote the importance of education.
- Assisted in providing food and shelter for stray animals.
- Facilitated the rescue and adoption process by coordinating with potential rescue leads and adopters and preparing animals for new homes.
- Contributed to the rescue and rehabilitation of over 150 stray animals this included - Cats, Dogs, Birds, Cows.