

# PREETI PALAK KAUR

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## SUMMARY

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Data Analyst pursuing a challenging role who is highly motivated to apply data science skills to solve complex problems. Proficient in Python, SQL, and Data Visualization, actively learning cloud computing. Offering a fresh perspective and continuous learning to your Data Analyst or Data Scientist team.

## EDUCATION

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### CHANDIGARH UNIVERSITY

Master of Science Data Science

Cumulative CGPA: 7.34/10

Relevant Coursework: Data Analysis, Data Engineering; SQL Programming and Advance Data Management Systems; Machine Learning; Deep Learning; Natural Language Processing(NLP)

Mohali, IN  
September 2023

### SRI GURU TEGH BAHADUR KHALSA COLLEGE, DELHI UNIVERSITY

Bachelor of Science Physical Science with Computer

Cumulative CGPA: 7.379/10

Delhi, IN  
July 2021

## WORK EXPERIENCE

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### START-TECH ACADEMY

Data Analytics and ML Intern

Gurugram, IN  
September 2022 – October 2022

- **Problem:** Optimized compensation strategy to attract top talent while maintaining budget accuracy.
- **Methods:** Developed an advanced linear regression model and analyzed a 100,000+ IPL dataset with SQL.
- **Results:** Recruited top talent maintaining accuracy within a 0.7% deviation and boosting team productivity by 25% through data-driven empowerment and actionable recommendations.

## PROJECTS

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### WEIGHT CATEGORY PREDICTION USING RANDOM FOREST

- **Problem:** Predicted weight categories for 500 individuals, identifying potential health risks of weight gain.
- **Methods:** Trained a Random Forest model with GridSearchCV, finding the optimal number of estimators (trees) to be 200.
- **Results:** Achieved 87% F1 score in weight category prediction and 89%+ precision in identifying weight gain risk.

### HR ANALYTICS USING POWER BI

- **Problem:** Leveraged insightful HR data analysis to uncover 237 potential employee departures.
- **Methods:** Employed Power BI to surface key performance indicators (KPIs) related to employee retention, analyzing 200+ data points across various sources.
- **Results:** Spearheaded an HR analytics project that drove down attrition rate by 16.1%.

### RSVP MOVIE ANALYSIS USING SQL

- **Problem:** Unraveled engagement trends within a 1000+ record RSVP Movie dataset to understand audience preferences.
- **Methods:** Performed detailed analysis using SQL queries, uncovering 29 engagement metrics to inform financial and creative decisions.
- **Results:** Formulated recommendations that increased audience engagement by 10%.

## SKILLS

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**Programming:** Python(Pandas, Numpy, Scikit-learn, Matplotlib), SQL, Cloud Computing

**Tools:** Microsoft Power BI, Tableau, Excel, MongoDB, BigQuery

**Cloud Platforms:** AWS (Amazon Web Services), Google Cloud Platform (GCP)

**Algorithms:** Random Forest, Linear Regression, Logistic Regression

## CERTIFICATIONS

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**Certifications:** AWS Cloud Practitioner (AWS); Google Cloud Big Data and Machine Learning Fundamentals (Google Cloud); Data Analytics Consulting Virtual Internship Program(KPMG); Modernizing Data Lakes and Data Warehouses with Google Cloud; Building Resilient Streaming Analytics Systems(Google Cloud);