Yashveer Singh

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Skills

- **Programming Languages:** Python, SQL
- **Tools and Platforms:** Advanced Excel (Pivot Tables, Macros,Lookups), Power BI, MongoDB, Version Control (Git, Github), MySQL , Docker, Flask, Streamlit, ChatGPT
- **Skills:** Data Analysis, Data visualization, Predictive modeling, Statistical modeling, Reporting, Machine Learning, Deep Learning, Database Management, Mathematics, Statistics, Data pipelining
- **Operating Systems:** Windows, Linux, Mac OS

Experience

Research Analyst Intern — BITS Pilani (CSIS Dept.) [Remote]   *June 2024 - July 2024*

- Data collected, processed and analyzed for research on perception models for autonomous vehicles.

Python Intern — Impetus with IT Dept., SGSITS Indore [On Site]   *June 2024*

- Applied data cleaning, feature engineering and visualization tools in Python.
- Performed relevant operations using MongoDB and SQL.
- Experimented with ML algorithms for EDA and prediction models with hyperparameter tuning.

Technical Projects

App user sentiment analysis report

- Analyzed 32,910 reviews to uncover platform-specific trends (Google Play: 3.45, App Store: 2.81 mean rating) and bimodal rating distribution.
- Cleaned, manipulated (using Numpy, Pandas) and visualized trends using Python (Matplotlib, Seaborn).Conducted sentiment analysis to identify user concerns.
- Delivered actionable insights to improve user satisfaction and app features, leading to 5% increase in user engagement by addressing critical feedback and optimizing features.

Price Optimization Program

- Applied Random Forest Regression to predict housing prices with hyper parameter tuning.
- Explored Gradient Boosting and XGB for large dataset handling using CUDA for parallel computation. Prediction accuracy of 94% achieved.

Business Analysis Dashboard

- Excel and Power BI were used to analyze the Kaggle company attrition data stored on the SQL server, creating a live interactive dashboard that contributed to a reduction in attrition by 9%.

Education

- **B.Sc. in Programming and Data Science** — **IIT Madras, Chennai**   *CGPA: 6.67 — Expected 2027*
- **B.Tech in Mechanical Engineering** — **SGSITS, Indore**   *CGPA: 7.12 — Expected 2026*
- **12th Grade** — **Rajeev Gandhi HR. SEC. School, Bhopal**   *Percentage: 85.8 — 2021*
- **10th Grade** — **Bal Bharti School, Rewa**   *Percentage: 92.6 — 2019*

Achievements

- 5-star in Python and SQL on HackerRank.
- Python for Data Science certification from NPTEL.
- NPTEL DBMS certification.
- Power BI and Power Query Certification from SimpliLearn.