Harleen Kaur Pama

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SUMMARY

Passionate and detail-oriented aspiring Data Analyst with a solid foundation in data analysis, visualization, and programming. Proficient in Python, SQL, Power BI, and Excel, with hands-on experience in exploratory data analysis (EDA), building dashboards, and automating workflows. Additionally, possesses a good understanding of Data Structures and Algorithms (DSA), contributing to problem-solving efficiency and logical thinking in data-driven tasks. Eager to leverage technical and analytical skills to derive actionable insights and contribute to impactful business decisions.

EDUCATION

VIT Bhopal University	2022 – 2026
B. Tech	*CGPA: 8.59*
Sri Sankara Vidyalaya, Bhilai	2021 – 2022
12th Grade	*81.4%*
Sri Sankara Vidyalaya, Bhilai	2019 – 2020
10th Grade	*89%*

TECHNICAL SKILLS

- **Programming Languages:** Python, SQL, C++
- **Data Analysis & Visualization:** Pandas, NumPy, Matplotlib, Seaborn, Power BI, MS Excel
- **Database Management:** MySQL
- **Data Engineering Tools (BASICS):** Apache Airflow, ETL pipeline, APIs, Web Scraping (Selenium, Beautifulsoup)
- **Machine Learning (Basics):** Scikit-learn, Regression and Classification models

PROJECTS

Telecom Churn Prediction   Jan- 2025

- Developed machine learning model using Logistic Regression to predict customer churn
- Performed data preprocessing, feature engineering, and visualization on customer demographics and usage patterns
- Identified key churn indicators to support business retention strategies

Road Accident Hotspot Detection & Severity Prediction   July- 2025

- Designed an end-to-end data pipeline to scrape and process accident records, storing structured datasets in SQL databases for analysis.
- Performed geospatial and statistical analysis to detect accident hotspots and built machine learning models that achieved 85%+ accuracy in predicting severity.
- Deployed an interactive dashboard with automated updates, enabling real-time visualization of accident-prone areas and supporting data-driven decision-making.

CERTIFICATIONS

- Generative AI Certification – IBM (2025)
- Cloud Computing – NPTEL, IIT Madras (2024)
- Marketing Analytics – NPTEL, IIT Roorkee (2025)
- Full-Stack Web Development (MERN Stack) – SmartBridge (2025)
- Bits and Bytes of Computer Networking – Coursera