PRINCE RAJAK
Data Analyst

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Summary

Data Analyst with a strong foundation in SQL, Python, Excel, and Power BI and Tableau, with expertise in data cleaning, EDA, and visualization. Experienced in applying statistical methods and machine learning models to generate insights and support data-driven decision-making.

Skills

Programming & Querying: Python(Numpy, Pandas, scikit-learn), SQL
Data Visualization Tools: Advanced MS Excel, Power BI, Tableau, Matplotlib, Seaborn
Analytical Abilities: Data Cleaning, Exploratory Data Analysis (EDA), Predictive Modeling, NLP Basics
Core Competencies: Insight Generation, Data Storytelling, Problem Solving, Business Reporting
Soft Skills: Critical Thinking, Adaptability, Time Management, Teamwork

Experience

Python & Data Analytics Mentor   **Jan 2025 – Feb 2025**
Sagar Institute of Science & Technology   *Tools Used: Excel, SQL, Power BI, Visual Code*

- **Mentored and trained 25+ learners** in Python programming, **implemented** data cleaning, analysis, and visualization.
- Trained students in **Numpy, Pandas, Matplotlib and SQL**, improving their ability to process datasets of **100k+ rows** efficiently.
- Guided learners on **capstone projects**, enabling them to generate actionable insights and present findings using **data storytelling** techniques.
- **Streamlined** code review process by providing personalized feedback,**reducing error rates by 40%** in project submissions.

Projects

Customer Churn Analysis | *Python*   **May 2025 – Aug 2025**

- **Analyzed behavior of 7,043 telecom customers** to identify churn patterns based on tenure, contract type, and monthly charges.
- Generated 11 visualizations (histograms, box plots, heatmaps) to highlight churn-prone segments.
- Revealed that 38% of churned users were on monthly contracts with less than 3-month tenure—suggested early engagement strategies.

Jarvis AI - Advanced Voice Assistant | *Python*   **February 2025 – May 2025**

- Developed an AI-powered voice assistant using **Python, SpeechRecognition, pyttsx3 and OpenAI APIs,** enabling hands-free execution of system commands and web queries.
- Integrated **NLP techniques** to process natural language queries with **95%+ command recognition accuracy.**
- Automated tasks like **sending emails, fetching news/weather updates and launching applications,** reducing manual effort by **70%**.
- Optimized response time by **30%** through efficient multithreading and API integration.

Awards & Certifications

- **Data Analytics & Visualization Intern (Virtual) – Accenture North America (2024):** Completed a job simulation focusing on **data cleaning, modeling and visualization** using **Excel & Power BI.**
- **Excel Skills Intern (Virtual) – JPMorgan Chase & Co. 2024:** Applied advanced **Excel functions, pivot tables and data visualization** to solve financial business problems.
- **Certificate of Participation – 2025:** Solution Challenge **Google Developer Groups On Campus,** powered by **Hack2Skill**.

Education

B.Tech in Computer Science & Technology   **Graduated: 2025**
Sagar Institute of Science & Technology, Bhopal   *CGPA: 7.6 / 10*