

Yashika Sahu

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SUMMARY

Entry-level Data Analyst with strong hands-on experience in SQL, Excel, Python, and BI tools, specializing in data analysis, KPI tracking, automation, and dashboard development. Proven ability to transform raw data into actionable insights that support business reporting and operational efficiency.

SKILLS

- **Data Analysis & Programming:** Python (Pandas, NumPy), SQL (Joins, CTEs, Window Functions, Aggregations), Excel (Pivot Tables, XLOOKUP/VLOOKUP, Data Cleaning)
- **Data Visualization & Business Intelligence:** Power BI, Tableau, Looker, Matplotlib, Seaborn, Plotly
- **Analytics & Reporting:** Exploratory Data Analysis (EDA), KPI Tracking, Trend Analysis, Data Validation, Business Reporting, Descriptive Statistics
- **Automation & Data Pipelines:** n8n, Google Apps Script, Excel Automation, REST APIs, Scheduled Reporting
- **Databases:** MySQL
- **AI & Advanced Analytics:** LLM APIs (Groq, Gemini), Sentiment Analysis, Computer Vision (YOLOv5, OpenCV, Roboflow)
- **Tools & Platforms:** Jupyter Notebook, Google Colab, VS Code, Google Sheets

PROJECT EXPERIENCE

Customer Behaviour Analysis

Tools: Python (Pandas), MySQL, Power BI

- Built an end-to-end retail analytics solution by cleaning and analyzing transactional data using **Python (Pandas)** and **SQL** to uncover customer behaviour, segmentation, and revenue insights.
- Performed **EDA** and business-focused analysis to identify purchasing patterns, customer segments, and key revenue drivers.
- Developed an **interactive Power BI dashboard** with KPIs, trend analysis, and drill-downs, and communicated insights through an executive-style report.

Automated Data Analysis and Insights Chatbot

Tools: Python, Streamlit, Pandas, Plotly, Groq API

- Developed an intelligent data analysis platform that automates 80% of EDA tasks, including data cleaning, summary statistics, and correlation insights.
- Enabled users to upload datasets, visualize trends, and generate AI-powered insights through an integrated chatbot — reducing manual analysis time by 70%.
- Designed an interactive Streamlit UI with dynamic charts, heatmaps, and automated reporting, improving data exploration efficiency by 60%.

Automated Resume Mailing System using N8N

Tools: N8N, Google Sheets, Hunter.io, Google Drive

- Built a fully automated recruitment workflow that sends personalized resumes to 10+ companies daily, saving 90% of manual effort.
- Integrated Hunter.io API for email validation and dynamic message generation — increasing email deliverability to 98%.
- Automated Google Sheets updates with mail status and timestamps after each send, reducing follow-up errors by 100%.

Sentiment Analysis of Website Reviews

Tools: Python, VADER, Generative AI

- Scraped and analyzed 500+ customer reviews using NLP and sentiment analysis.
- Combined VADER with Generative AI summarization to classify feedback and extract key insights, improving sentiment accuracy by 85%.
- Delivered an AI-generated review summary highlighting overall customer satisfaction and actionable business insights.

Live Data Dashboard Looker

Tools: Looker, Google Sheets, Apps Script

- Automated real-time data integration from 5+ Google Sheets sources into a centralized Looker dashboard.
- Designed KPIs for clicks, impressions, and CTR, enabling instant performance tracking and decision-making.
- Reduced manual data consolidation time by 95% through Apps Script automation.

EDUCATION

Bachelor of Computer Applications (BCA)

Sage University, Indore, Madhya Pradesh

June 2023 – June 2026

CGPA: 8.71

CERTIFICATIONS

Data Science Masters — PwSkills

Data Analytics — Google

Data Science — IBM

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