

Sandhya Bharti

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SUMMARY

Analytics professional with hands-on experience in Python, SQL, and Power BI. Built 3 end-to-end analytics projects on real-world datasets (68K+ records), covering data modeling, EDA, machine learning, and interactive dashboards. Skilled in translating business requirements into data-driven insights, identifying trends and patterns in complex datasets, and delivering stakeholder-ready reporting solutions. Strong communicator with cross-functional collaboration experience and a proven ability to drive process improvements.

EDUCATION

Chandigarh University

B.E. Computer Science Engineering — CGPA: 8.28

Punjab, India

2022 – 2026

Army Public School, Nasirabad

Intermediate (PCM + IT) — 88.2%

Rajasthan, India

2021 – 2022

EXPERIENCE

Vorkmint Staffing LLP

Data Analyst Intern

Mar 2025 – Jun 2025

- Collected, organised, and analysed large volumes of staffing data using SQL queries on data warehouses; disseminated insights to stakeholders with attention to detail and accuracy.
- Performed data quality checks to identify and resolve discrepancies across datasets; documented validation logic to maintain reporting consistency across cross-functional stakeholders and established timelines.
- Built and maintained performance metrics dashboards in Power BI; automated repetitive data-validation tasks using Python scripts, contributing process improvements that enhanced team efficiency.

ISTE Student Chapter, Chandigarh University

Event Crew Member

May 2024 – Jul 2024

- Coordinated logistics for a 150+ attendee event, prioritising multiple tasks simultaneously and resolving issues with a sense of urgency to ensure smooth execution.

PROJECTS

Healthcare Readmission Risk Analysis | Python, SQL, Scikit-learn, Power BI | [GitHub](#)

Dec 2025 – Jan 2026

- Collected and analysed 68,630 patient records from 130 US hospitals; wrote 6 complex SQL queries on SQLite data warehouse to identify age 70–90 and reduced insulin dosage as highest-risk segments (10.4% readmission rate).
- Built Power BI reporting dashboard with 4 KPI cards and 5 charts surfacing 6,126 high-risk patients; developed Random Forest classifier (AUC: 0.64) to validate patterns and deliver actionable insights to stakeholders.

Telecom Customer Churn Analysis | Python, SQL, React, Chart.js | [GitHub](#) | [Live](#)

Mar 2025 – Jun 2025

- Analysed 7,043 customer records using 6 SQL queries; identified that month-to-month contracts churn at 42.7% vs 2.8% for two-year plans, quantifying \$139K+ monthly revenue at risk.
- Built Logistic Regression model (78% accuracy) and deployed a fully interactive live reporting dashboard on Netlify — delivering actionable churn insights to end-users at scale.

HR Employee Attrition Analysis | Python, SQL, Scikit-learn, Chart.js | [GitHub](#) | [Live](#)

Aug 2025 – Oct 2025

- Analysed 1,470 IBM employee records across 35 variables; engineered AgeGroup, IncomeBand, and TenureGroup features — uncovered that overtime employees churn 3× more (30.5% vs 10.4%) for identical pay (correlation +0.25) and 1 in 3 new hires exits within 2 years.
- Built Random Forest classifier (AUC: 0.771) and a fully interactive HTML/JS dashboard (8 charts, 4 cross-filtered dimensions, animated KPIs) hosted on GitHub Pages; delivered 5 data-backed HR recommendations.

SKILLS

Data Analysis & Querying: SQL, MySQL, SQLite, Python (Pandas, NumPy), Excel (Advanced), EDA, Data Cleaning, Data Validation, Feature Engineering

Reporting & Dashboards: Power BI, Matplotlib, Seaborn, React + Chart.js, KPI Dashboard Development, Stakeholder Reporting

Machine Learning: Scikit-learn, Random Forest, Logistic Regression, Classification Metrics, AUC-ROC

Tools & Automation: Git, GitHub, VS Code, Snowflake (basic), Tableau (basic), Python scripting, Process Automation

Soft Skills: Cross-functional collaboration, stakeholder communication, SLA adherence, problem-solving, data storytelling

CERTIFICATIONS & ACHIEVEMENTS

Google IT Support Certificate (Coursera) | NPTEL: Computer Organisation and Architecture | NCC 'A' Certificate