

LAKSHAY HASIJA

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Professional with 2.5+ years of experience in SQL, Python, Power BI, and data automation. Skilled in Python automation, ETL workflows, dashboard development, and building scalable data solutions for business operations. Proven track record of reducing manual workloads through automation and delivering data-driven solutions that improve business efficiency and decision-making.

SKILLS

Programming & Tools	:	Python (Selenium, Pandas, NumPy), SQL, Azure, Jenkins, Jupyter Notebook, Google Colab, Excel, RegEx, Git, GitHub, LangChain, FastAPI, Streamlit, Data Structures & Algorithms (DSA)
Data Analysis	:	Data Cleaning, ETL, EDA (Exploratory Data Analysis), Pivot Tables, Data Mining
Machine Learning	:	Regression, Classification, Clustering, Random Forest, Logistic Regression, Model Evaluation Metrics, GenAI, Feature Engineering, Model Tuning & Optimization, NLP, Model Deployment / Automation, Time Series, Drift Detection, MLflow
Mathematics & Statistics	:	Descriptive Statistics, Inferential Statistics (Hypothesis Testing, Confidence Intervals), Probability Distributions, P-Values, Sampling Techniques, A/B Testing
Databases	:	MySQL, MS SSMS (SQL Server Management Studio)
Data Visualization	:	Power BI, Tableau, Matplotlib, Seaborn
Learning & Development	:	Training & Onboarding Support, Technical Documentation, LMS Familiarity, Stakeholder Collaboration, Process Improvement
Soft Skills	:	Communication, Statistical Skills, Critical Thinking, Time Management, Problem Solving, Team Working

WORK EXPERIENCE

Midtown Software, Mohali (Punjab)

Data Analyst

September, 2023 - Present

- Team Leadership:** Manage and mentor a team of 4, guiding cross-functional collaboration to design data-driven decision frameworks and automate reporting workflows.
- Machine Learning & NLP:** Automated notice classification pipelines using Python and NLP models to extract insights from unstructured text data, achieving 90% automation coverage.
- Business Intelligence:** Engineered interactive Power BI dashboards and improved Excel-based reporting frameworks to track business KPIs, reducing manual reporting efforts by 40% and improving access to operational metrics across teams.
- Database Optimization:** Executed complex SQL-based ETL workflows and optimized queries to streamline data integration across multiple sources, significantly enhancing overall data retrieval efficiency and reporting accuracy.
- Stakeholder Management:** Gathered requirements from leadership and delivered actionable insights through ad hoc analysis, data cleaning, and validation.

RELATED PROJECTS

Azure CI/CD & RPA Pipeline Automation

- Developed a Python-based RPA bot with Jenkins CI/CD automation for data extraction and upload to Cosmos DB through APIs. Implemented intermediate storage handling to avoid data re-scraping during network failures.

MS SQL Chatbot Integration

- Developed a **Python-based chatbot integrated with MS SQL** to deliver real-time database insights on the company website, **reducing manual data lookup time by 60%**.

A/B Testing Framework

- Built a complete **A/B testing** framework from scratch implementing **Frequentist Z-tests, Bayesian Beta-Binomial models, and Power Analysis** to statistically validate experiments and calculate minimum sample sizes before testing.

LLM-Powered SQL Agent

- Built an LLM-powered SQL assistant using LangChain and Gemini to convert natural language queries into SQL and display results through a Streamlit dashboard with AI-generated summaries.

ML Pipeline with Drift Monitoring

- Deployed a Random Forest churn prediction model (ROC-AUC: 0.785) using FastAPI and MLflow for experiment tracking. Built a KS-test-based drift detection module to monitor feature distribution shifts and trigger retraining alerts.

EDUCATION

Ramanujan College, Delhi University

• Graduated with B.Voc. Software Development degree in 2023 (8.5CGPA)

Cambridge School, Srinivaspuri

• Passed 12th in 2020 - Commerce with Maths (85% CBSE BOARD)

CERTIFICATES

Business Analytics: Excel Macros & VBA (SimpliLearn)
Python and SQL for Data Science (Scaler)
Power BI - Complete Microsoft Power BI - Advance (Udemy)

Junior Data Associate (NASSCOM)
Web Developer (NASSCOM)
Software Developer (NASSCOM)