

Akshat Saihgal

✉ saihgalakshat@gmail.com 📞 9911402226 📍 Noida 📁 Portfolio 🌐 LinkedIn 🐙 Github

EDUCATION

Bachelor's of Technology in Computer Science & Engineering
Shiv Nadar University

August 2021 – August 2025
Greater Noida, India

Delhi Public School
Class XII: 89% Class X: 92%

April 2012 – May 2021
Greater Noida, India

PROFESSIONAL EXPERIENCE

Business Analyst
Bennett & Coleman Co Ltd(Times Group)

January 2025 – June 2025
Noida, India

- Analyzed delivery inefficiencies **across 6 metro cities** using SQL, Python reducing report **turnaround time by 30%**, Identified **peak sales periods** by analyzing Client patterns and customer response, improving **Revenue analysis by 18%**.
- Deployed Times Group's internal API (**RapidX**) using CI/CD pipelines, ensuring **99% availability** and reducing deployment-related **downtime by 20%**.

Technologies: Tableau, Excel (Advanced), RapidX API, SQL, Python, Flask

Data Analyst
Ivory Group Pvt Ltd

June 2024 – August 2024
Delhi, India

- Applied **linear regression models** and time series analysis using Python, integrating data visualizations through **Tableau** to identify investment opportunities and forecast trends, leading to a **95% increase in decision-making accuracy**.
- Automated data cleaning and transformation using **Python and SQL scripts**, detecting and correcting data inconsistencies across **10 GB** of financial records, ensuring **100% data integrity** for business intelligence reports.

Technologies: Python, SQL, Tableau, Pandas, Matplotlib, Jupyter, ML, BeautifulSoup

SKILLS

Core Skills: Python, JavaScript, SQL, HTML/CSS, Flask, Bootstrap, Tkinter, BeautifulSoup, Bash, MySQL, Oracle, Git & GitHub, APIs, Jira, Docker, Tableau, Linux, Advanced Excel

Other Skills: Machine Learning, Model Evaluation, Predictive Analytics, Power BI, Object Oriented Programming, Data Structures and Algorithms, Metrics Tracking, Cross-functional Collaboration

PROJECTS

Automate Crypto API Extraction and Appending Data 📁

- Developed an automated pipeline using Python and the CoinMarketCap API to extract, clean, and append real-time cryptocurrency data, processing over **500,000 rows of data per day**. This reduced manual data handling time by **75%** and enabled dynamic analysis and visualization through Tableau, improving investment insights and decision-making speed by **40%**.
- Technologies:** Python, REST API, Pandas, SQL, Tableau, Scheduling (cron)

Delhi House Price Prediction 📁

- Built a model to predict real estate prices in Delhi using factors such as **Per square foot, area, number of bathrooms and parkings availability**.
- After comprehensive data preprocessing and model training, the model achieved an impressive **R² score of approximately 99%**, demonstrating that it explains nearly all the variance in the dataset.
- Technologies:** Python, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn, GridSearchCV, Jupyter Notebook, Machine Learning

Effects of Rainfall on Groundwater level 📁

- Designed a webpage that shows the prediction of Future available Groundwater with **Flask, Python and MySQL** which integrates ML techniques like **Random Forest, Gradient Boosting Regressor, and Linear Regression** with data inputs like population, environmental and usage patterns.
- Key innovations of this project is the use of **Explainable AI (XAI)** methods, such as **SHAP (Shapley Additive Explanations) and LIME (Local Interpretable Model-agnostic Explanations)**, to make the ML models more interpretable and transparent.
- Technologies:** Python, Flask, MySQL, SHAP, LIME, Scikit-learn, HTML/CSS, Pickle, Plotly, Pandas

Amazon Web Scraper with Python and BeautifulSoup 📁

- Engineered a Python-based web scraper using **BeautifulSoup** and **Requests** to extract pricing and product data from over **1,000 Amazon products**, into a SQL database for automated price trend analysis. Integrated error handling and scheduling for continuous data scraping, improving accuracy by **95%** and saving **10 hours per week** of manual data collection.
- Technologies:** Python, BeautifulSoup, Requests, SQL, Selenium, Time, User-Agent Handling, ETL Concepts

CERTIFICATES

Python Essentials by Cisco Academy 📁

- Certified for PCEP & PCAP.

Skills Verification Test for SQL by Hackerrank 📁

- Begginer to Intermediate level.

Software Engineering Program in Wells Fargo 📁

- Development experience in biggest Financial services company