Sahan Ganguly

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SUMMARY

Economics postgraduate with hands-on experience in data analysis, dashboarding, and statistical modeling. Proficient in SQL, Python, Excel, and Power BI, with a proven ability to extract insights and automate reporting. Strong foundation in econometrics and financial markets, backed by real-world internship and project experience.

PROFESSIONAL EXPERIENCE

Data Analyst Intern   Jul '24 — Sep '24
To-Let Globe   Lucknow, India
- Extracted and consolidated property listing data from multiple real estate platforms for comprehensive market visibility.
- Managed and analyzed 10,000+ customer records across the full data funnel using MS Excel and SQL, identifying customer friction points and enabling data-driven optimization.
- Leveraged Pivot Tables to identify trends in customer preferences based on location, rent range and plot area.
- Streamlined and automated KPI tracking through dashboards and reporting in Excel and Power BI.

EDUCATION

Masters in Economics, University of Calcutta   Oct '23 — Jun '25
                                                                                                                      Kolkata, India
- Ranked among the top 10% of the class. Relevant coursework in International Economics, Money and Financial Markets, Health Economics, Game Theory and Applied Econometrics.

Bachelors in Economics, Maulana Azad College, CU   Sep '20 — Aug '23
- Relevant coursework in Applied Statistics, Quantitative Mathematics, Microeconomics, Macroeconomics.

Higher Secondary Examination, WBCHSE   Jan '19 — Dec '20

Secondary Board Examination, WBBSE   Feb '17 — Apr '18

ACADEMIC PROJECTS

Credit Risk Modeling Link   Aug '25
- Built a supervised ML model to identify probable credit defaulters for a banking credit system
- Conducted EDA using Python's seaborn library to gain insights into the data, and deal with the problem of missing data and detect outliers
- Solved the problem of an imbalanced dataset using SMOTE and class weights while deploying ML algorithms like Logistic Regression and Random Forrest Classifier while cross validating models using accuracy score, confusion matrix and classification report

Electrokart Business Insights Link   Aug '25
- The goal of this project is to analyze Electrokart's sales and customer data to uncover insights on revenue drivers, customer churn patterns, and opportunities for improving retention and profitability.
- Measured repeat purchase rates, identify high churn regions, uncover top-performing categories, and detected high value customers at risk of loss.

Stock Price Prediction Model Link   Jul '25
- Implemented Stacked LSTM and Auto-ARIMA models to forecast NVIDIA stock prices using 10 years of historical time series data
- Conducted exploratory data analysis on closing prices, volume trends, moving averages, and annual returns to assess NVIDIA's stock performance with data sourced from Python's yfinance API
- Evaluated model accuracy using key time series metrics: RMSE (Root Mean Squared Error), MAE (Mean Absolute Error), and MAPE (Mean Absolute Percentage Error).

Sentiment Marking System using LLM Link   Sep '25
- Built a command-line application that uses the Gemini API to analyze the sentiment of movie reviews, classifying them as positive, negative, or neutral and providing an explanation with supporting evidence
- Wrapped the sentiment analyzer in a web-based UI for front-end user interaction using Streamlit

SKILLS

Technical Skills   Python, Advanced MS Excel, VBA, MS Power Bi, SQL, Stata
Certifications   IBM Python for Data Science, Hackerrank SQL (Intermediate) certification

POSITIONS OF RESPONSIBILITY

President of the analyst club of Calcutta University   Sep '24 — May '25

Member of the Working Committe , Ecovision   Calcutta University