Ranadip Kar

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SUMMARY

Data Scientist with a strong academic background in Statistics and a passion for leveraging data insights to solve real-world problems. Ability to extract meaningful patterns and trends from complex datasets using analytical tools (such as SQL, Python, PowerBI, Tableau, etc.).

WORK EXPERIENCE

Data Scientist | SYUS.AI | September 2022 – Current

- Analyzed and monitored user activity through the examination of user log data, with the objective of enhancing user engagement on the Syus platform.
- Contributed significantly to the development of a Python code that empowers users to identify key factors influencing changes between any two data points.
- Developed an automated recommendation algorithm (based on ML model) for Syus platform in order to make accessing the most important reports easier for users.
- Testing newly developed features on our platform using Grafana during the development phase.

Summer Internship | MOSPI, Government of India | SDRD, National Statistical Office, Kolkata | June 2022 – August 2022

- Project: A comparative study on drinking water, sanitation and housing condition between NSS estimates and other surveys.
- Research and Analysis - Analyze living conditions essential for household members' well-being, focusing on drinking water, sanitation, and housing. Compare NSS rounds and external surveys like NFHS. Additionally, assess Global SDG indicators in NSS 76th and SDR-2022 world database for comparison.

EDUCATION

Master of Science in Statistics September 2020 – July 2022
Aliah University 78.0 %

Bachelor of Science in Statistics July 2016 – May 2019
Midnapore College 75.4 %

COURSE

Data Science with ML DL & Visualization | Ivy Professional School, Kolkata | September 2022 – October 2023

ANALYTICS PROJECTS

Estimate the fair market value of old/second-hand cars using Python – Regression ML project | *Project Link*

- Utilized diverse regression ML models, including Multiple Linear Regression, Decision Trees, Random Forest, AdaBoost, Xgboost, KNN, to develop a robust algorithm predicting the market value of second-hand cars based on specifications such as years of usage, fuel type, and mileage. Achieved the optimal accuracy with the XGBoost model for precise price prediction.

Credit Risk Prediction using Python – Classification ML Project | *Project Link*

- Developed a credit risk prediction model using machine learning to assess loan defaults. Utilized various classification machine learning algorithms such as Logistic Regression, Decision Trees, Random Forest, AdaBoost, XGBoost, KNN, SVM, and Naive Bayes. Finalized SVM model based on performance metrics for optimal risk assessment.

Zomato Restaurant Data Analysis using SQL | *Project Link*

- Leveraged SQL (using functions like GROUP BY, ORDER BY, CASE WHEN, COUNT, JOIN, etc.) to analyze Zomato restaurant data. This analysis uncovered cities with the most poorly rated restaurants, identified potential service issues, and highlighted top countries by Zomato listings to help Zomato optimize their services and expand their business. Additionally, identified top-rated affordable restaurants, categorized restaurants by food cost, and revealed top-rated options for customers.

Indian Premier League - Sports Analytics using SQL | *Project Link*

- Analyzed IPL data to reveal insights into team performance, venue dynamics, and key trends like home ground advantage. Identified high/low-scoring venues. Utilized SQL functions (Count, Group By, Joins, etc.) for effective analysis, providing valuable information for strategic decision-making.

Ola Cab Data Analysis Using SQL | *Project link*

- Explored Ola Cabs data using SQL queries to identify when and how often customers use Ola services, pinpoint peak usage times and locations, analyze fare structures and ride counts to understand revenue generation patterns, and examine other relevant metrics to derive actionable insights.

Tourism – Leveraged Tableau to identify optimal holiday destinations | *Project Link*

- Developed an interactive recommendation dashboard using Parameter Action. Tailored to user preferences and budget constraints and weather preference.

Mobile Sales Analysis - Exploratory Data Analysis using Power BI

- Transform mobile sales strategy through data-driven insights. Analyze mobile sales data to identify patterns, understand customer preferences, and drive strategic decision-making for sales growth.

SKILLS

Programming Languages: Python, R, VBA **Data Science:** Machine Learning, Deep Learning, NLP
Database Management: SQL, MySQL **Data Visualization / Analytical Tools:** Power Bi, Tableau, MS Excel