Kalyani Ray (Bhattacharjee)

raykalyani30@gmail.com • +917091662462 • Jamshedpur, Jharkhand, India • https://www.linkedin.com/in/ kalyani-bhattacharjee-ray-480a6692/

SUMMARY

Highly motivated and detail-oriented Data Analyst with a strong foundation in computer science and recent comprehensive training in data analysis, big data, machine learning, and automation technologies. With a Master of Computer Applications (MCA) degree and a 12-year career break, I am equipped with cutting-edge skills in Python, pandas, NumPy, Py Spark, and other tools. I am now eager to leverage these skills in a data-driven role to contribute to business success. My involvement in social activities, particularly as a Tata Pro-Engage project member, has further honed my project management and teamwork abilities.

EXPERIENCE

Soulpage IT Solutions, **AI Internship Trainee**
Nov 2024 - Dec 2024

• Developed a car license plate detection system using Python, OpenCV, PIL, and Jupyter Notebook, accurately detecting and storing plate numbers in a CSV file.
• Utilized AI algorithms to identify patterns and trends, enhancing the system's accuracy and efficiency.
• Successfully implemented the detection system, demonstrating its applicability in various real-world scenarios.

Raptive, **Professional Freelancer**
Jul 2024 - Aug 2024

• Utilized the MarianMT model for translation, leveraging Python, Transformer, Pymupdf, Jupyter Notebook, and Google Colab to build a system that accurately translates English text to Hindi.
• Successfully developed a translation system, enhancing efficiency and accuracy in various applications requiring English to Hindi translation.
• Conducted comprehensive data analysis and model training, leading to actionable insights and improved translation quality.

Unified Mentor Private Limited, **Data Scientist Intern**
Feb 2025 - Aug 2025
Data Analysis and Visualization Project
Technologies Used: Python, pandas, NumPy, seaborn, matplotlib
Conducted exploratory data analysis on a large dataset to identify trends, patterns, and outliers.
Developed interactive visualizations to present findings to stakeholders, leading to data-driven decision-making.

Unified Mentor Private Limited, **Data Analyst Intern**
Feb 2024 - Mar 2024

• Implemented a scalable data analysis prediction system, enhancing data handling efficiency and processing large volumes of data in real-time, achieving a 100% reduction in processing time.
• Optimized data processing workflows, reducing latency and improving performance, efficiently handling millions of records.
• Utilized Pandas, NumPy, Matplotlib, Seaborn, and SkLearn for data cleaning, processing, and model selection, achieving a 100% reduction in processing time.

TwiLearn Edutech Pvt Ltd, **Data Scientist Intern**
Jan 2025 - Mar 2025

• Analyzed customer churn data for a telecom company, identifying factors contributing to churn and building a predictive model using XGBoost, achieving an accuracy of 81.69% and a ROC AUC of 0.73.
• Conducted data collection, cleaning, exploratory data analysis, preprocessing, feature engineering, and model training with evaluation, leading to actionable insights.
• Developed and implemented a machine learning model to predict customer churn, enhancing decision-making processes and reducing churn rates.

Earth Information & Publishing, **Freelance Developer**
Dec 2022 - Sep 2023

• Developed a web application's dashboard using Flask and MySQL, automating email sending and preparing a microfinance dashboard, enhancing efficiency by 100%.
• Remodeled a web page by editing HTML and CSS, enhancing user experience and interface, increasing user engagement by 100%.
• Automated data loading and processing within the database using Python scripts and SQL, improving accuracy and saving maximum hours per week.

Cointab (Sept to Nov-2023), Map-up (Nov to Dec - 2023), Relu Consultancy (Jan to Feb - 2024), Ecowiser (March to July - 2024),

Freelance Data Analyst
Sep 2023 - Present

• Conducted data extraction using Beautiful Soup, Requests, Lxml / HTML-parser, and Selenium, ensuring accurate and efficient data retrieval.
• Performed data analysis using Pandas, Numpy, Pyspark, and Excel, identifying trends and patterns to support data-driven decision-making.
• Developed data visualizations using Matplotlib, Seaborn, and Power BI, effectively communicating insights to stakeholders.

EDUCATION

West Bengal University of Technology
MCA • 2006 - 2009

University of Calcutta
*BSC • **Pure Science** • 2003 - 2006*

West Bengal Council of Higher Secondary Education
*HS (10 + 2) • **Pure Science** • 2001 - 2003*

West Bengal Board of Secondary Education
*Madhyamik (10th Standard) • **Passed with Additional Mathematics** • 1999 - 2001*

LICENSES & CERTIFICATIONS

Python
Open SAP • Issued 2022

Analyst
INVACT •

Data Analysis
Unified Mentor •

SKILLS

Python • SQL • pandas • NumPy • Data Visualization • Data Visualization • Big Data • Py Spark • Apache Beam • Machine Learning