

Shubhodeep Bhattacharya

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EXPERIENCE

Data Analytics Intern: [CoachX](#)

Jun 2023 – Oct 2023

- Processed and evaluated datasets of 200,000+ records, delivering data-driven recommendations that informed key decisions for stakeholders
- Implemented data cleaning and transformation techniques in Excel and SQL, improving data quality and reducing errors across datasets
- Conducted exploratory data analysis (EDA) using Python (Pandas, Numpy, Matplotlib, Seaborn) to uncover trends, patterns, and anomalies, supporting deeper business insights
- Developed interactive dashboards in Power BI/Tableau, providing real-time analytics into business performance, and improving executive strategic decision-making

Data Science Intern: International Institute of SDGs & Public Policy Research | [Link](#)

Jul 2022 – Aug 2022

- Designed a machine learning model predicting traffic accident risk, achieving 85% accuracy using records for data analysis and training
- Conducted data cleaning, preprocessing, EDA, modelling, and visualization, enhancing model performance through effective hyperparameter tuning and optimization
- Engineered a machine learning system for detecting Parkinson's Disease, attaining 90% precision through analysis of patient records and medical data
- Automated manual data processes using Python, reducing the time spent on reporting and improving overall data accuracy

SKILLS

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|------------|-----------------------|------------------------|----------------------|
| • Python/R | • Data Mining | • Risk Analysis | • Data Visualization |
| • SQL | • Trend Analysis | • Data Governance | • DBMS |
| • PowerBI | • Dashboards Creation | • Google Colab | • Data Warehousing |
| • Tableau | • Data Modelling | • Data Wrangling | • Machine Learning |
| • SSMS | • KPI Tracking | • Statistical Analysis | • Advanced Excel |

PROJECTS

Detection of Credit Card Fraud Transactions | [GitHub](#) | Supervised ML, Scikit Learn, Python

Jul 2024

- Created an end-to-end machine learning model aimed at identifying fraudulent transactions, achieving 99.98% accuracy, with a precision and recall score of 93%
- Applied machine learning techniques, reducing the occurrence of malicious activities, and improving overall security and fraud prevention for the system

Visualization of Per Capita Income by State in India | [GitHub](#) | Python, Web Scrapping

Jul 2023

- Mapped Per Capita Income for each state in India by extracting data points from Wikipedia, displaying insights through a choropleth map using Geographical Charts
- Employed BeautifulSoup for web scraping and Matplotlib for visualizations, boosting data representation accuracy and enhancing the project's analytical depth

Walmart Sales Analysis Using PowerBI | [GitHub](#) | Power BI, MS Excel, Power Query

Apr 2023

- Evaluated 3 years of Walmart sales data (2011-2014), uncovering key sales trends and providing insights that enhanced forecasting accuracy
- Developed an interactive Power BI dashboard, showcasing sales performance, making informed decisions, and improving report accessibility

EDUCATION

University of Calcutta

Bachelor of Science in Economics (Hons)

Aug 2018 – Aug 2021

CERTIFICATIONS

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| • Diploma in Financial Management for Managers by Alison | Jul 2025 |
| • Python (Basic) Certificate by HackerRank | Jul 2024 |
| • SQL Assessment (Advanced) Certificate by HackerRank | May 2024 |
| • Data Analytics Certification Program from CoachX | Oct 2023 |
| • Supervised Machine Learning from IBM, Coursera | Feb 2022 |