

# Mrinal Kanti Mahapatra

[LinkedIn](#) | [GitHub](#) | Kharagpur, West Bengal | mrinalmahapatra177@gmail.com | +91-7098103036

## Education

- **Indira Gandhi National Open University** | June 2018 – January 2021  
Bachelor of Arts – English Literature – 59%

## Technical Skills

- **Data Analysis:** Data Analyst, Data Visualization, Reporting, ETL Design, Data Modeling, Query Optimization, and Troubleshooting
- **Advanced Excel:** Excel Power Pivot, Chart Report Dashboard, Macro, Interactive visuals, VLOOKUP, Conditional Formatting, Excel Advanced toolkit, Hlookup
- **SQL:** SQL Performance Tuning Reporting, Data Interpretation, SQL & Database Management, Data Transformation Techniques, Query Optimization, Extracting Data from SQL, Business Intelligence (BI), Windows Function, MySQL, PL-SQL
- **Power BI:** KPI, Data Engineering, Data Extraction, Transformation Techniques, Consolidation, Advanced Visualization, Data Quality Assurance, Storytelling, Deep Analysis, DAX, Data Warehousing, ETL Pipeline, Custom Measuring, Managing Security Protocol
- **Python:** Python Libraries (NumPy, Pandas, SciPy, Matplotlib, Altair), OOPS, Statistics, Machine Learning

## Work Experience

### Data Analyst Intern at CoachX.Live

January 2024 – August 2024

- Streamlined data collection and reporting procedures, reducing processing time by 20%, and enhancing efficiency. Implemented process improvements and automation solutions, resulting in a 15% increase in productivity.
- Collaborated with 3+ cross-functional teams to gather requirements, define project scopes, and ensure alignment with business objectives, fostering effective teamwork and project success.
- Produced 15+ comprehensive reports and presentations summarizing findings and recommendations, facilitating clear communication with stakeholders and driving actionable outcomes.
- Conducted in-depth market research and analysis, resulting in the identification of 10+ key trends and insights that informed strategic decision-making processes.

## Projects:

### 1. Student Performance Prediction | September 2023 – October 2024

- Achieved a 96% accuracy rate in forecasting student academic performance by developing and deploying a machine-learning model.
- Managed data integrity by handling missing values and encoding categorical variables, enhancing quality by 33%.
- Supervised experiments with both classification and regression algorithms to identify the most suitable approach.
- Identified and comprehended key factors influencing academic performance through thorough analysis.

### 2. Credit Card Fraud Detection | July 2024 – August 2024

- Developed and fine-tuned a logistic regression-based machine learning model, achieving an 87% accuracy rate in predicting credit card fraud.
- Minimized false positives through rigorous feature engineering and hyperparameter tuning, achieving a 16% improvement in accuracy.
- Addressed class imbalance using under-sampling and ensemble techniques, resulting in a 15% enhancement in model performance.
- Mitigated fraudulent transactions by analyzing transaction patterns and behavioural anomalies, identifying key risk factors for real-time processing optimization.

## Certifications:

### 1. Azure Cloud and Python (CoachX.live) | August 2024

- Mastered Python syntax, leveraging control flow and data structures to automate 15 repetitive tasks weekly; enhanced overall project efficiency and freed up team members for higher-level analytical work.
- Acquired expertise in procedural programming paradigms and associated logical concepts, enhancing capabilities.

### 2. Introduction to Data Analyst (CoachX.live) | August 2024

- Learned about the data ecosystem, including the ETL process and big data basics. Mastered data gathering, identification, and cleaning for analysis preparation.

### 3. SQL Certificate (Test Dome) | August 2024

- Gained in-depth knowledge of all stages in the data lifecycle, enabling the identification and resolution of three critical bottlenecks that previously impeded analysis efficiency.