SOUMYADIP MAITY

+91 8536851405 | Email| **Portfolio** | **LinkedIn** | GitHub

Technical Skills

- **Languages:** Python, SQL, R
- **Tools:** Power BI, Tableau, MS Excel, MS PowerPoint
- **Key Expertise:** Data Analysis, Visualization, Statistical Analysis, ETL Processes, Data Cleaning, Model Optimization

Experience

Prime Infoserv LLP   **Aug 2024 - Nov 2024**
Intern Analyst - Research & Development   *Kolkata*

- Extracted actionable insights using Excel, Python, and SQL, resulting in a 30% improvement in decision-making accuracy.
- Created interactive Power BI dashboards, improving reporting efficiency by 20% and enhancing data visualization clarity.
- Designed R&D experiments leveraging A/B testing methodologies, achieving a 15% boost in operational efficiency.
- Automated routine data analysis tasks using Python scripts, reducing manual effort by 25% and achieving a 98% accuracy rate in outputs.

Skipper Limited   **Nov 2023 – Jan 2024**
Engineer (Quality Assurance)   *Kolkata*

- *Spearheaded automation in quality reporting using Power BI/Tableau, saving 30% of reporting time.*
- *Reduced defect rates by 15% through meticulous production monitoring and analysis.*
- *Implemented innovative quality strategies, cutting rework costs by 20%.*
- *Collaborated on Six Sigma projects, achieving improved product quality and consistency.*

PROJECTS

Predict Selling Car Price

- **Objective:** Develop a machine learning model to accurately predict car prices.
- **Approach:** Built a **Random Forest model** in Python using features such as age, mileage, and condition.
- **Key Contributions:**
  - Performed advanced **data preprocessing** and **feature engineering** to enhance model performance.
  - Automated the end-to-end **data analysis pipeline**, improving workflow efficiency.

Stock Price Prediction

- **Objective:** Create a robust predictive system for stock prices and trends.
- **Approach:** Designed an **LSTM-based Python model** for time-series forecasting.
- **Key Contributions:**
  - Utilized **historical stock data** for accurate forecasting of price trends.
  - Implemented effective **data cleaning techniques** for large-scale datasets.
  - Developed initial **real-time prediction prototypes** for better investor decision-making.

Vehicle Fuel Consumption

- **Objective:** Analyse and optimize fuel consumption patterns for vehicles.
- **Approach:** Designed efficient algorithms focused on sustainability and cost reduction.
- **Key Contributions:**
  - Conducted in-depth **data analysis** to identify critical factors affecting fuel usage.
  - Built **simulation models** to test and validate optimization strategies under diverse conditions.
  - Achieved measurable improvements in **fuel efficiency**, enhancing sustainability initiatives.

Certifications

- **Data Analysis with Python**
- **Advanced Excel with Tableau - IIT Kanpur**
- **Machine Learning - IIT Kanpur**
- **Certified Lean Six Sigma AI Yellow Belt**

Education

Bengal Institute of Business Studies	*Jul 2023 – Present*
MBA- - Business Analytics & Data Science	*72%*
Institute of Science and Technology	**Jul 2019 - Jun 2022**
B.Tech in Mechanical Engineering	**79%**

Achievements

- *Achieved a **20% improvement in operational efficiency** through automation of reporting systems at Skipper Limited.*
- *Reduced defects by 15% through advanced production monitoring techniques, improving overall quality.*