

MOUSUMI NATH

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<https://mrinalinin.github.io/myportfolio/>

Experience

Key Qualification and Responsibility

- Identified key requirements to solve problems with strategic problem solving approach in data analysis.
- Focused to details in case studies.
- Cleaned raw data for model development and interpreted the desired outcome with 97 percent assurance.
- Used heat map to understand the correlation between data labels.
- Executed statistic result with 80-90 percent accuracy in linear regression.
- Created monthly and yearly reports using data visualization techniques.
- Developed database for students attendance details to maintain up-to-date data, reducing 80 percent of manual work load.
- Experienced in research and data gathering.
- Ability to solve problems with a structured and data driven approach.
- Knowledge on statistical concepts, and Machine learning algorithms.
- Led and managed 2 members in developing an agile model project.
- Excellent analytical skills to assess risk.

Projects

- **Marketing Analytics on Indian Unicorn Startups 2023** : To target companies for investment and ad campaigns.
Visualization - Excel Tables/Charts, interactive dashboard
Soft skill - Critical thinking, problem solving, attention to details
- **MVA and Predictive Analytics on Laptop Price** : To predict price with Linear Regression model.
Programming - Python (Pandas, Numpy)
Visualization - Matplotlib, Seaborn
Soft skill - Critical thinking, problem solving, attention to details
- **Report on Roblox Stock Price Analysis**: Aims to build an interactive report on Stock Price.
Visualization - Looker studio
Soft skill - Critical thinking, problem solving, attention to details

Education

- **B.Tech Computer Science and Engineering | Percentage - 75%**
Konark Institute of Science and Technology, Bhubaneswar, Odisha
2018 – 2022
 - **Academic Project** : RFID System for Students Attendance Sheet
 - **Description** - Aims to reduce manual work by 80 percent and retrieving data by 0 percent error with RFID.
 - **Technology used** - Internet of Things
 - **Platform used** - Google Sheet

Skills

- **Analytics** : Marketing Analytics, Descriptive and Predictive Analytics
- **Programming** : Python, SQL
- **Visualization** : Excel Charts, Tableau, Power BI, Looker Studio
- **Databases** : MySQL, PostgreSQL
- **Big Data** : Apache Hadoop
- **Tools** : MS Office, Visual Studio Code, Google Analytics, SAS
- **Soft Skills** : Excellent critical thinking, team player, attention to details, problem solving, quick learner, multitasking, presentation and communication skills

Extracurricular Activities

KPMG Virtual Experience

Program Participant

2023 - 6 hours approximately

Participated in the open access KPMG Virtual Experience Program with Forage.

Tasks completed include:

- Data Quality Assessment
- Data Insights
- Data Insights and Presentation

Language

- English - Fluent
- Hindi - Fluent
- Bengali - Native