DHRITIMALYA DUTTA

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SKILLS

- **Programming Language**s: Python
- **Libraries**: NumPy | Pandas | Matplotlib | Seaborn
- **Database**: SQL
- **Visualization**: Excel | Power BI
- **Data Cleaning**: Excel | Power Query
- **Others**: ETL | EDA
- **AI Data Analysis**: Quadratic
- **Operating Systems**: Linux | Windows | MacOS
- **Market Analysis Tools**: Trading View | Screener

PROJECT

Financial Sentiment Analysis

June 2025

- **Developed a robust system for financial news sentiment analysis using Python and Generative AI .**
- **Utilized prompt engineering with OpenAI models for accurate sentiment classification, bypassing traditional NLP training.**
- **Designed rule-based predictive models, correlating sentiment with market trends to enhance investor decision-making.**[Link]

Power BI Project: [AtliQ Hardware Sales Dashboard] [Youtube - Link]

April 2025 - May 2025

- **Optimized data transformation** using MySQL, enhancing **processing efficiency by 40%**.
- **Refined datasets** via Power Query Editor, improving **data accuracy by 30%**.
- **Designed an interactive Power BI dashboard**, enabling **faster insights and stakeholder decision-making**.[Link] .

Advanced Excel & SQl Project: [IMDB Movie Analysis, Hiring Process Analytics, Operation Analytics]

March 2025 - May 2025

- **Optimized raw dataset processing** using Excel formulas and SQL functions, **reducing errors by 95%** and **improving data processing speed by 40%**.
- **Developed interactive dashboards** with MS Excel (Pie Charts, Bar Charts, Scatter Plots), enabling stakeholder's data-**driven decisions 30% faster**.
- **Implemented advanced data validation techniques**, ensuring **95% accuracy** in reports and reducing inconsistencies by **80%** [IMDB Link | Hiring Link | Operations Link] .

EDUCATION

B.Tech in Civil Engineering

Meghnad Saha Institute of Technology • 2019-2023 • 8.45

Intermediate in Science

Bongaon High School (WBCHSE) • 2016-2018 • 72%

Secondary

Bongaon High School (WBSE) • 2010-2016 • 74%

CERTIFICATIONS

Foundations Of Stock Trading

- Completed the Foundations of Stock Trading Program, acquiring knowledge in stock market fundamentals and trading principles [Link].

PW Skills Full Stack Data Science Pro

- Comprehensive training in Python, SQL, NumPy, Pandas, Matplotlib, Seaborn and Power BI, focusing on Data Analysis, Data Modelling, and Presentation Skills [Link].

EXPERIENCE

Junior Engineer

Gautam Builders   September 2023 - December 2024, Delhi NCR

- **Utilized advanced Excel functions** for **data entry, cleaning, and formula optimization**, increasing efficiency by **40%** in data records management.
- **Executed precise estimation and billing** for multiple construction projects across **Delhi NCR**, ensuring **100% compliance** with industry standards.
- **Enhanced communication and problem-solving skills** by resolving **client billing inquiries**, **reducing disputes by 35%**, and **streamlining the financial reporting process.**