

# DHRITIMALYA DUTTA

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## SKILLS

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- **Programming Languages:** 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 | Coin Market Cap

## PROJECT

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### 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

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### 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

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### 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

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### 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.