Shawon Mandal

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About me

Highly motivated and analytical Computer Science Engineer with a strong foundation in software and hardware principles. Actively enhancing data analysis capabilities with Excel, SQL, and Power BI. Eager to leverage technical proficiency and problem-solving skills and contribute to operational excellence and data-driven decision-making.

Projects

1. Hata Project (Data Analysis with SQL, excel for visualization)   **GitHub link:** hata_sql

- Conducted analysis for Hata, examining BDT 634.2 million in 2023-2024.
- Maintained a low 3.7% return rate.
- Revealed a robust 47.18% gross profit margin and achieved a significant 20.1% year-over-year.
- Found that Dhaka leads with 24,118 customers, generating BDT 1,017.1 million in revenue in 2 years.
- Discovered that Rubber proves to be the most profitable material, contributing 32.1% to the overall profit.
- Pinpointed Men's Footwear (BDT 859.5 million) as the primary revenue driver
- "Hush Puppies ANDERSON Slip-On" with (BDT 96.4 million) is the top product.
- "Hata" tops gross profit with BDT 105.5 million

2. Dengue Case Analysis (Public Health Data Analysis with EXCEL)   **GitHub link**: Dengue_excel

- Pinpointed Jatrabari (81.6% positivity) and Tejgaon (77.4% positivity) as critical.
- Found out that Developed Tejgaon has the most positivity rate (85.7%).
- Identified working-age adults (41-50 age group) as the primary affected.
- Visualized complex diagnostic data and housing type distributions to provide a holistic view of the outbreak.

3. HOTEL MANAGEMENT SYSTEM & DATA ANALYSIS (EXCEL)   **GitHub link**: Hotel_excel

- Analyzed 116,927 bookings and found $29.50M in revenue.
- Identified a 37.6% cancellation rate, with 99.4% from non-refundable bookings.
- Pinpointed Portugal as the leading country for both revenue and loss.
- Determined Online Travel Agents as the highest revenue-generating channel.
- Revealed Corporate bookings ($72) as the lowest average daily rate channel.

Skills

TECHNICAL:

SQL, **Excel**, Google Sheet, **Power BI**, **Metabase**, Supabase, Google BigQuery

ADDITIONAL:

Teamwork, Adaptability, Fast learner, Communication

Education

Daffodil International University, Dhaka, Bangladesh

B.Sc. in Computer Science and Engineering

CGPA: 3.66 / 4