

Musa Ahammed Mahin

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PROFESSIONAL SUMMARY

Motivated engineering graduate with hands-on experience in project management, data analysis and team leadership. Adept at analyzing data, data-driven decision-making and insights through visualization. Experienced in applying technical expertise, cross-cultural collaboration, and leadership skills to achieve operational excellence.

Education

BRAC University

- B. Sc. in Electrical and Electronics Engineering | CGPA: 3.11 / 4.00

Experience

Diligite, ITBI, CUET | R&D Specialist

May 2024 – Aug 2024

- **Led a data-driven automation project** with a **government security agency**, designing a confidential drone-based system that utilized **real-time sensor data** to improve **operational decision-making and field safety**.
- **Analyzed and cleaned large-scale data**, extracting actionable insights that drove **system optimization** and reduced response time by over **50%**.
- Created **reporting dashboards** and **data documentation** for diverse stakeholders, improving visibility, decision-making speed, and communication between technical and non-technical teams.
- **Collaborated cross-functionally** with engineering, research, and field teams, aligning technical execution with strategic objectives under tight timelines.
- **Architected training sessions**, simplifying technical concepts of automation, IoT and problem-solving.

Projects

SQL Sales Analysis | SQL | [GitHub Link](#)

- Analyzed **48,000+ transactions** using advanced SQL (CTEs, window functions) to uncover insights that could drive up to **30% revenue growth** through product and time-based sales optimization.
- Streamlined performance reporting by transforming raw data into actionable KPIs, reducing manual analysis time.

Executive Dashboard | Power BI | [GitHub Link](#)

- Designed a real-time dashboard enabling executives to monitor revenue, order volume, and category performance across **10 months and 6 product categories**, improving decision-making speed.
- Applied Power Query and DAX to automate data updates and build drill-through visuals, enhancing visibility into underperforming segments and boosting reporting efficiency.

Revenue and Profit Dashboard | Excel | [GitHub Link](#)

- Created an Excel dashboard tracking **5 years of revenue and profit data**, revealing a **22% YoY profit growth** and highlighting cost-saving opportunities across 4 key segments.
- Enhanced stakeholder reporting with automated visual insights, using pivot tables and dynamic charts.

Awards & Accomplishments

- **2nd** in the poster presentation competition with “Prosthetic Exo-leg” at International Conference on Energy and Power Engineering 2022 (ICEPE 2022) (2022)
- **3rd** with BRACU Mongol Tori, in University Rover Challenge, USA, was the electronics team lead of the team. (2020)
- **2nd** in project showcasing segment of Intra-University Robotics Competition with an autonomous Science Box. (2019)
- **3rd** in soccer bot segment, directed the team, in Intra university Robotics Competition. (2019)
- Government scholarship twice, BNCC scholarship once, awarded for students’ **academic excellence**. (2009, 2012, 2016)

Leadership, Activities & Extracurriculars

Indoor Games Club of BRAC University | General Secretary

Jan 2019- Jan 2022

- Organized large-scale indoor tournaments for 700+ participants, demonstrating **exceptional leadership, stakeholder coordination, and project management, organization** skills.

Skills & Interests

Technical Skills: Google Workspace, SQL, Python, Power BI, Microsoft Excel, Automation, Data Analysis and Reporting

Soft Skills: Strategic Thinking, Cross-Functional Collaboration, Leadership, Project Management, Detail-Oriented, Data-Driven

References

MD Kamruzzaman Kamrul

Staff Engineer | GeoCal | Former Lecturer, Department of Mathematics and Natural Science, BRAC University

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