Md. Salauddin Sarker

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👤 Professional Summary

Data professional fusing advanced analytics with full-stack ERP engineering. Currently building and scaling an Odoo-based ERP at Q Cosmetics Ltd, automating order flow (-35 % cycle time) and delivering real-time KPI dashboards (99 % data accuracy). Expert in Python, SQL, Tableau, and XAI; leverage predictive models and clean data pipelines to drive data-informed decisions across the business.

💼 Professional Experience

Software Developer, Q Cosmetics Limited   *May 2025 – Present*

➤ Rolled out Odoo ERP (inventory/sales/finance/POS/Manufacturing), cutting order cycle 35%.
➤ Built Python–PostgreSQL ETL; kept audit data 99
➤ Delivered KPI dashboards; monthly reporting 3 h → 15 m.

🛠 Technical Skills

➤ **Programming Languages:** Python, SQL, Java, PHP, Dart, HTML, CSS
➤ **Data Visualization:** Tableau, Matplotlib, Seaborn
➤ **Machine Learning Libraries:** Scikit-learn, TensorFlow, Keras
➤ **Databases:** MySQL, PostgreSQL
➤ **Tools:** Git, Jupyter Notebooks, MS Office Suite
➤ **Languages:** English (IELTS : 6.00), Bengali (Native), Japanese (Basic Proficiency, JLPT N5)
➤ **Soft Skills:** Problem-solving, Critical Thinking, Communication, Teamwork, Adaptability

🎓 Education

➤ **University of Frontier Technology**, Dhaka, Bangladesh   *Graduated: 2024*
B.Sc.(Engg) in Educational Technology & Engineering (EdTE)
GPA: 3.84/4.00 *(Dean's Award 2022,2024)*
Relevant Courses: Object-Oriented Programming (OOP), Data Structures, Database Management, AI and the 4th Industrial Revolution, Data Science, Big Data Analytics, E-Commerce, Cyber Security, Mobile Learning Application Development.

➤ **Dhaka College**, Dhaka, Bangladesh   *Graduated: 2017*
Higher Secondary Certificate (HSC)
GPA: 5.00/5.00

➤ **Shamsul Haque Khan School & College**, Dhaka, Bangladesh   *Graduated: 2015*
Secondary School Certificate (SSC)
GPA: 5.00/5.00 *(General Scholarship)*

🎗 Awards & Honors

➤ **Dean's Award** (2022) - University of Frontier Technology
➤ **Dean's Award** (2024) - University of Frontier Technology
➤ **9th Place among Campus Ambassadors** (2023) - National STEAM Olympiad

❋ Certifications

❯ **21st Century Employability Skilling Program - Advanced** (2023) - Wadhwani Foundation
❯ **Big Data Analyst Bootcamp** (June 2023) - Akaademy
❯ **Analyzing Data in Tableau** (May 2023) - DataCamp
❯ **Time Series with Python** (April 2023) - DataCamp
❯ **Explainable AI: Scene Classification and Grad-CAM Visualization** (March 2023) - Coursera

⑂ Projects

Weather Forecasting Using Time Series Models ⓞ   *Python, Time series*
Developed ARIMA and Ordinary Least Squares (OLS) time series models for weather forecasting, enhancing prediction precision using 61 years of historical data across 200 regions.

Agriplant Android App ⓞ   *Flutter, Dart*
Created a digital marketplace connecting consumers with farm-fresh products. Implemented features for purchasing vegetables, gardening tools, and machinery, resulting in a 25% increase in user engagement.

Customer Churn Prediction ⓞ   *Python, Machine Learning, Time Series*
Built machine learning models predicting customer churn with 85% accuracy, enabling businesses to implement effective retention strategies and reduce churn rates by up to 20%.

Rice Leaf Disease Detection using CNNs with Attention Mechanisms ⓞ   *Python, Deep Learning, XAI*
Developed a Convolutional Neural Network (CNN) model for classifying rice leaf diseases, achieving 99% accuracy using transfer learning techniques (VGG16, ResNet50, EfficientNetB0). Integrated Grad-CAM for model interpretability, providing actionable insights for farmers.

Parkinson's Disease Diagnosis ⓞ   *Python, Machine Learning, XAI*
Developed an ensemble classification framework using machine learning, achieving 98.28% accuracy for the early diagnosis of Parkinson's Disease.

Job Portal Website ⓞ   *PHP, HTML, CSS, MySQL*
Designed and developed a dynamic job portal facilitating interactions between job seekers and employers. Implemented user authentication and job tracking features, increasing job matching efficiency by 30%.

👥 Leadership & Activities

❯ **Vice President**, BDU STEAM Club
❯ **Executive Member**, BDU Robotics Club
❯ **Japanese Language Secretary**, BDU Language Club

🤝 Volunteer Experience

Campus Ambassador, National STEAM Olympiad   *2023*
Achieved 9th place among campus ambassadors nationwide. Promoted STEAM initiatives and organized campus events, increasing student participation by 40%.

Campus Ambassador, Hackules Inc   *2024*
Facilitated hackathons and technology workshops, fostering a community of innovation and collaboration on campus.

📇 References

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