Md. Rabbi Ali

📞 +8801798-532112 | ✉ rabbi.stat.iu@gmail.com |

🔗 Linkedin | ⛭ Github | 📊 Kaggle

📍 Gangni, Meherpur - 7110

OBJECTIVE

Motivated and detail-oriented professional with a Master's degree in Statistics, experienced in delivering interactive training sessions, developing instructional materials, and assessing learning outcomes through structured evaluations. Skilled in facilitating group activities, analyzing pre- and post-test results, and preparing concise training reports. Eager to contribute expertise and communication skills to enhance learning experiences in the Contractual Training Facilitator role.

RELEVANT COURSEWORK

- Regression Analysis
- Statistical Inference
- Stochastic Process
- Time Series Analysis
- Data Mining
- Data Visualization
- Data Manipulation
- Data Cleaning
- Generative AI

EDUCATION

- **Islamic University , Kushtia , Bangladesh** — *2022*
  M.Sc in Statistics
  ○ GPA: 3.13/4.00

- **Islamic University , Kushtia , Bangladesh** — *2021*
  B.Sc in Statistics
  ○ GPA: 3.08/4.00

- **Terail Jorepukuria Degree College** — *2017*
  Higher Secondary Certificate
  ○ Grade: 4.58/5.00

PROJECTS

- 🏢 **Climate Change and It's Impact On Bangladesh** — *Github Repository* ⛭
  🛠 *Tools:* 🐍 *Python* 🐼 *Pandas* 📊 *Matplotlib* 📈 *Seaborn* 🔵 *Scikit-learn*
  ○ Developed comprehensive statistical models to analyze climate change impacts on Bangladesh using polynomial regression and time-series forecasting
  ○ Processed 50+ years of climate data (temperature, sea level, cyclones) to identify trends and make 2060 projections
  ○ Created interactive visualizations showing temperature rise (0.8°C since 1980) and flood risks (57.5% population vulnerable)
  ○ Achieved 97.35% model accuracy (R^2) in sea level rise projections using polynomial regression, exceeding standard climate models' 85-92% range
  ○ Automated data processing reducing analysis time by 65% compared to manual methods

🍕 **Pizza Sales Dashboard** — *Github Repository* ⛭
🛠 *Tools:* 📊 *Excel* 🗄 *SQL* 🔵 *Power BI*
- Built an end-to-end sales analytics dashboard by cleaning raw data in Excel, writing SQL queries for trend analysis, and visualizing insights in Power BI.
- Identified Key Buisness Insight like Best Days, Best Month, Top Category and Top sizes Pizza bring the highest revenue.
- Automated monthly sales reports, reducing manual effort by 40%

🚲 **Bike Share Data Analysis** — *Github Repository* ⛭
🛠 *Tools:* </> *SQL* 📊 *Excel* 🔵 *Power BI*
- Conducted data cleaning and transformation using SQL and Excel.
- Analyzed bike-sharing trends, peak usage times, and customer behaviors.
- Built interactive dashboards in Power BI to visualize insights

🏛 **Bank Loan Data Analysis** — *Github Repository* ⛭
🛠 *Tools:* </> *SQL* 📊 *Excel* 🔵 *Power BI*
- Evaluated loan application data to identify default risk using SQL queries.
- Designed Power BI reports to present financial trends and loan approval rates.
- Provided recommendations to optimize loan approval processes.

TECHNICAL SKILLS

Programming : Python (Pandas, Seaborn , Matplotlib, NumPy, Scikit-learn), SQL
BI & Analytics : Power BI (DAX, Power Query), Excel (Advanced), Looker Studio , Data Modeling
Soft Skills : Problem-Solving, Effective Communication, Leadership, Team Collaboration, Critical Thinking, Adaptability, Time Management
Design & Presentation: Canva and Power Point
Other Skills : Statistical Analysis, Data Visualization, Decision-Making, Analytical Thinking, Data Preparation, Statistical Analysis, Database Management, Business Intelligence, Prompt Engineering

LEADERSHIP EXPERIENCE

- **General Secretary** *Sep 2022 - Apr Y2024*
  Meherpur Student Development Association, Islamic University. 🌐
  - ◦ Successfully led the student organization, overseeing event planning, team management, and decision-making.
  - ◦ Strengthened student bonding through Islamic and cultural events.
  - ◦ Built strong communication between students and faculty teachers to ensure a collaborative learning environment.

CERTIFICATIONS

- **IBM Data Analyst Professional Certificate** (Coursera) 🔗

- **Programming for Everybody (Getting Started with Python)** (University of Michigan - Coursera) 🔗

- **Master Microsoft Power BI** (Alison) 🔗

- **Business Analytics with Excel** (Simplilearn) 🔗

- **Data Analysis with Python** (IBM Cognitive Class) 🔗

- **AI for Beginners** (HP Life Global) 🔗

ADDITIONAL INFORMATION

Languages: English (Fluent) and Bangla (Native)
MS Office: MS Word (60+ WPM 10fastfinger.com), Power Point and Excel.
Documentation and Typesetting: Proficient in MS Word and LaTeX for academic and professional document preparation

REFERENCES

1. **Prof. Dr. Md. Mahabubur Rahman**
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