

# Md Sakib Sadman Badhon

Computer Science major at BRAC University

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## SUMMARY

A Computer Science student with a **strong foundation in data analysis and machine learning**. Demonstrated expertise in data-driven problem solving, statistical analysis, and predictive modeling through academic projects. **Skilled in Python, SQL, and data visualization tools** with a proven ability to derive actionable insights while maintaining academic excellence.

## EDUCATION

### Bachelor of Science in Computer Science

CGPA 3.74/4.00

BRAC University, Dhaka, Bangladesh

Jan 2022 - Jan 2026

- Recognized on the **Vice Chancellor's List, Dean's List**, and awarded **Merit Scholarship** across **multiple semesters**.

## PROJECTS

### PostPartum Depression Detection | *Python, ML, Scikit-learn*

2024

- Implemented ML models** to detect postpartum depression based on survey data, **evaluating multiple classification algorithms** to predict anxiety levels in postpartum individuals.

### Student Performance Prediction | *Python, ML, Data Analysis*

2024

- Predicted student grades** using classical ML algorithms, **analyzing demographic, social, and school-related features** from Portuguese schools to derive insights.

### Network Intrusion Detection | *Streamlit, Random Forest, ML* | **Live**

2024

- Developed ML-powered** web application for real-time network intrusion detection using Streamlit and Random Forest classifier.

### Should I Retake? | *JavaScript, pdf.js, Regex* | **Live**

2025

- Created a web tool to **analyze academic grade sheets**, allowing users to simulate grade changes and calculate required grades, serving **3,000-4,000 monthly users**.

## EXPERIENCE

### Open-Source Contributor & Maintainer

May 2025 – Present

*OpenTelemetry, tldr-pages*

*Remote*

- Localized documentation** into Bangla for OpenTelemetry and tldr-pages projects, collaborating with global maintainers and gaining experience in **open-source workflows** and **CI/CD pipelines**.

## SKILLS

**Data Analysis:** Python (Pandas, NumPy, Scikit-learn), SQL, Excel, Statistical Analysis, Data Visualization

**Machine Learning:** Classification, Regression, Model Evaluation, Feature Engineering, Random Forest

**Visualization Tools:** Matplotlib, Seaborn, Streamlit, Tableau

**Databases:** PostgreSQL, MySQL

**Operating Systems:** Linux (Ubuntu, Debian, Mint), Windows

**Tools & Technologies:** Git, Docker, Jupyter Notebook, VS Code, Postman

## MISCELLANEOUS

- Completed **Google Data Analytics**, **Google Cybersecurity**, and **Google IT Automation with Python** Professional Certificates from Coursera.
- Passed **GitHub Foundations** Exam and completed **AI Prompt Engineer Certification**.