

# Md. Farhan Sadik

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GitHub: github.com/Sir-python



## Profile

Aspiring Data Analyst with a strong foundation in Python, SQL, and Machine Learning. Skilled at extracting insights from data, building dashboards, and developing predictive models. Seeking opportunities to apply analytical and technical skills to solve real-world business problems.

## Experience

### City Bank PLC – Intern (Oct 2024 – Jan 2025)

- Prepared technical documentation and user manuals for in-house IT software.
- Collaborated with the middleware IT team to collect and structure system information.

### Future Interns – Data Analyst Intern (Apr 2025 – May 2025)

- Applied NLP techniques on social media datasets to extract sentiment and trending topics.
- Built interactive Power BI dashboards to track social media trends and customer sentiment.
- Analyzed customer support ticket data using Python NLP libraries to identify recurring issues and suggest improvements.

## Projects

### Crime Prediction (Python, ML, LSTM)

Predicted crime hotspots in Narayanganj using clustering & time-series models; improved prediction accuracy by 15%. [[https://github.com/Sir-python/Crime\\_predictions\\_code](https://github.com/Sir-python/Crime_predictions_code)]

### Social Media Sentiment Analysis (Python, NLP, Power BI)

Analyzed 100k+ posts using NLTK & TextBlob; built dashboard for trends & engagement. [[https://github.com/Sir-python/FUTURE\\_DS\\_01](https://github.com/Sir-python/FUTURE_DS_01)]

### **Retail Sales Dashboard (Power BI)**

Developed interactive dashboard analyzing revenues, KPIs, and geographical sales distribution. [<https://github.com/Sir-python/Retail-Store-Inventory-Forecasting>]

### **Heart Attack Risk Prediction (Python, ML)**

Built Random Forest model with RFE & PCA for feature reduction; identified key health risk factors. [<https://github.com/Sir-python/ML-project>]

### **Student Stress Analysis (Python, Ensemble Learning)**

Modeled stress factors with Logistic Regression & Random Forest; achieved 88% accuracy. [<https://github.com/Sir-python/Stuyding-the-Impact-on-Student-Stress-level-from-different-factors-using-ensemble-learning>]

## **Education**

### **American International University - Bangladesh**

B.Sc. in Computer Science & Engineering | CGPA: 3.79 | Expected Graduation: July 2025  
Key Courses: Data Science, Data Mining, Machine Learning, AI, Algorithms

### **Orchid Intl. School - A-Levels (2020)**

Computer Science (A\*), Physics (A\*), Mathematics (A)

### **Scholastica Mirpur Senior Campus - O-Levels (2018)**

Computer Science (A), Mathematics (A\*), Additional Mathematics (A)

## **Skills**

- Programming: Python, R, SQL, Bash
- Data Tools: Excel, Power BI, Pandas, NumPy, Matplotlib, Seaborn
- ML/DL: Scikit-learn, TensorFlow, Keras, NLP (NLTK, TextBlob, LDA)
- Other: Git/GitHub, MS Office, Documentation

## **Achievements & Certifications**

- Dean's List Award (3x) – CGPA: 3.95, 3.98, 3.79
- Data Science Foundations Certification – Great Learning
- Daily Star O-Levels Award (2018) for academic excellence

## **Interests**

Technology research, gaming, storytelling