

SUBRINA SIRAJEE

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WORKING EXPERIENCE

Anchorblock Technology LLC

Data Science X Quant Fellow (2023/11 ~ Present)

- Built & analyzed Python-powered portfolios for optimized investment decisions.
- Backtested strategies with **Zipline** for data-driven performance assessments.
- Generated tearsheets using **Pyfolio** & **Quantstats** for performance insights.

Inflexionpoint Technologies (BD) Ltd

AI Trainer (2023/08/01 ~ 2023/08/31)

- Designed & delivered comprehensive AI training program, upskilling intern engineers.
- Developed clear & engaging training materials to accelerate AI knowledge acquisition.
- Implemented effective evaluation methods to track student progress & guide development.

Apurba-DIU Research & Development Lab

Research Assistant (2022/04 ~ 2023/04)

- Massively expanded AI text recognition capabilities by generating, annotating & segmenting 1 million dynamic handwriting samples for an advanced Bengali OCR model.
- Rigorous font testing ensured launch-ready Font Interoperability Engine.

EDUCATION

[Daffodil International University](#)

B.Sc. in CSE (2019/05~2023/08)

CGPA: **3.92/4.00**

RESEARCH & PROJECTS

• **Movie Recommender System (2023/09~2023~10)** : [Github Reference](#)

Developed a system using **NLP** and **ML** techniques (**CountVectorizer**, **Cosine Similarity**) for personalized movie recommendations.

• **Dynamic Bangla Chatbot (2022/12~2023/06)** : [Link](#)

Created a dynamic Bangla chatbot focused on admissions using a **Transformer Model**.

• **EDA of Bangla Chatbot Dataset (2022/08 ~ 2022/11)** : [Github Reference](#)

Performed an extensive EDA to understand dataset characteristics using various **NLP** techniques.

• **Heart Failure Prediction (2021/09 ~ 2021/11)** : [GitHub Reference](#)

Designed a project utilizing **Data Visualization** and **ML** algorithms with high accuracy rates.

• **Banking System (2021/04 ~ 2021/06)** : [GitHub Reference](#)

Implemented a banking system in **Python** with **SQL**, managing various transactions.

ADDITIONAL EXPERIENCE AND AWARDS

- **Won 1st place in DIU Battle of Minds 2.0 (2020)**, the most prestigious business idea pitch competition, by developing a **Conversational AI Agent** that streamlines student inquiries on department availability, tuition fees, and course curriculum. ([Certificate](#))
- **Ranked 11th out of 300+ participants in DIU Takeoff Programming Contest 2019**, demonstrating strong coding skills and problem-solving abilities. ([Certificate](#)) ([Ranking Screenshot](#))
- **Achieved top 0.3% (1949th out of 6000+) in Google Code Jam to I/O 2021**, placing me among the elite coders worldwide and showcasing my talent in competitive programming. ([Certificate](#))

TECHNICAL SKILLS

- Python • C++ • Data Structure • Algorithm • MySQL • Data Analysis • Machine Learning
- Deep Learning • TensorFlow • Scikit-learn

CODING PROFILES (TOTAL SOLVED 600+)

- [URI\(193\)](#) • [GeeksforGeeks\(150\)](#) • [Codeforces\(107\)](#) • [LeetCode\(101\)](#) • Others(70+)

EXTRACURRICULAR ACTIVITIES

- **Junior Researcher** of DIU NLP & ML Research Lab(2022/06 ~ 2022/12)
- **Volunteer** of National Girls' Programming Contest 2021-([Certificate](#))
- **Executive Member** of DIU Girls' Computer Programming Club (2021/06 ~ 2021/12)-([Certificate](#))