# SUBRINA SIRAJEE

✉ Gmail    📞 +8801630747975    in LinkedIn    ◯ Github    ▦ Portfolio

## 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 ~ 2023/10)*
- Designed & delivered a 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: **3.93/4.00**

## 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):** Github Reference
  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 proposing 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(104) • 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 GCPC(2021/06 ~ 2021/12)-(Certificate)