| Basic Information

Name	SUBRINA SIRAJEE
Date of birth	1999/12/24
Current Address	Halishahar Housing Estate, Block – B, Road No – 04, House No-38, Chattogram, Bangladesh.
Contact Number	+8801630747975
E-mail	subrina98sirajee@gmail.com
Portfolio link	Personal Portfolio GitHub LinkedIn

| Academic Background

Degree	B.Sc. In Computer Science and Engineering		
University Name	Daffodil International University		
Duration	2019/05~2023/08		
Passing Date	2023/09	CGPA	3.93/4.00

| Technical Skills

A = Professional project Experience, B=Highly confident skill, C = Personal / Academic Project Experience, D = Theoretical Knowledge

Programming Language	Level	Database	Level	Framework	Level	Others	Level
Python	A	MySQL	C	Tensorflow	A	Data Analysis	A
C++	B			Scikit-learn	A	Data Structure and Algorithm	A
C	B					OOP	B
Java	C					Machine Learning	A

| Professional Working Experience

Company Name	Anchorblock Technology LLC
Job Title	Quantitative Analyst
Job Responsibilities	1. Built & analyzed portfolios using python for optimized investment decisions. 2. Backtested various strategies to assess strategy performance.
Technology / Language Used	Language : Python Library : Zipline, Statsmodels, Scikit-learn, Yfinance, Pandas, Numpy, Matplotlib, Quantstats. Indicators: Bollinger Bands, MACD and SMA
Duration	2023/11 ~ 2024/05

Company Name	Apurba-DIU Research & Development Lab
Job Title	Research Assistant
Job Responsibilities	1. Contributed to the Font Interoperability Engine Project as a Font Tester. 2. Generated 1 million handwritten data.
Duration	2022/04 ~ 2023/03

| Professional Project Experience

Duration	Project Details	Technology Used
2024/01/01 ~ 2024/01/15	**Project Title** : **Stock Signal Prediction (Github Reference)** Project Overview : Established a module by leveraging Bollinger Bands, MACD, SMA, and LSTM model for precise buy, sell, and hold signal generation.	Language : Python Library : Zipline, Statsmodels, Scikit-learn, Yfinance, Pandas, Numpy, Matplotlib, Quantstats. Indicators: Bollinger Bands, MACD, SMA.

2023/12/01 ~ 2023/12/31	**Project Title** : **Trend Following Strategy ([Github Reference](#))** Project Overview : Implemented trend following strategy by leveraging single Bollinger Bands, single MACD and combined bollinger bands and MACD for backtesting.	Language : Python Library : Zipline, Statsmodels, Scikit-learn, Yfinance. Indicators: Bollinger Bands, MACD, Ensemble(Bollinger Bands and MACD)

| Academic or Personal Project Experience

Duration	Project Details	Technology Used
2024/01 ~ 2024/02	**Project Title** : **Machine Health Prediction ([Github Reference](#))** Project Overview : Initiated and implemented a machine health forecasting system by leveraging data labeling and machine learning pipeline integration.	Language : Python Library : Statsmodels, Scikit-learn, Pandas, Numpy, Matplotlib, Seaborn.
2023/09 ~ 2023/10	**Project Title** : **Movie Recommender System ([Github Reference](#))** Project Overview : Developed a system using NLP and ML techniques for personalized movie recommendations.	Language : Python Library : Scikit-learn, Pandas, Numpy, nltk.
2022/12 ~ 2023/06	**Project Title** : **Dynamic Bangla Chatbot ([Github Reference](#))** Project Overview : Created a dynamic Bangla chatbot focused on admissions using a **Transformer Model**.	Language : Python Library : pyforest, re, Scikit-learn, Pandas, Numpy, nltk, matplotlib.
2022/08 ~ 2022/11	**Project Title** : **EDA of Bangla Chatbot Dataset ([Github Reference](#))** Project Overview : Performed an extensive exploratory data analysis to understand dataset characteristics using various **NLP techniques**.	Language : Python Library : Scikit-learn, Pandas, Numpy, nltk, os, unidecode, matplotlib.

| Language Skills

Language	Reading	Writing	Listening	Speaking
Bengali	Excellent	Excellent	Excellent	Excellent
English	Excellent	Excellent	Excellent	Excellent
Japanese	Daily Conversational Level (N4 Level)	Daily Conversational Level (N4 Level)	Daily Conversational Level (N4 Level)	Daily Conversational Level (N4 Level)

| Special Achievements

• Won 1st place in DIU Battle of Minds 2.0 (2020) ([Certificate](#))
• Ranked 11th out of 300+ participants in DIU Takeoff Programming Contest 2019 ([Certificate](#)) ([Ranking Screenshot](#))
• Achieved top 0.3% (1949th out of 6000+) in Google Code Jam to I/O 2021 ([Certificate](#))

| Coding Profiles

• Total Solved 600+ problems
• [URI](#)(193) • [GeeksforGeeks](#)(150) • [LeetCode](#)(112) • [Codeforces](#)(107) • 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](#))