

| Basic Information

Name	SUBRINA SIRAJEE
Date of birth	1999/12/24
Current Address	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 = Expert, B = Proficient, C = Intermediate, D = Basic

Programming Language	Machine Learning Models	Deep Learning Models	Framework	Database	Others
Python	Linear & Logistic Regression	RNN	Tensorflow	MySQL	Data Analysis
C++	Decision Trees	LSTM	Django	SQLite	Data Structure and Algorithm
C	Naïve Bayes	Transformer	Langchain		OOP
Java	XGBoost	LLM			Git

| Professional Working Experience

Company Name	Anchorblock Technology LLC
Job Title	Quantitative Analyst
Job Responsibilities	1. Developed and optimized investment decision-making strategies using Python for portfolio analysis. 2. Conducted backtesting on multiple trading strategies, evaluating performance using statistical models.
Technology / Language Used	Language: Python Library: Zipline, Statsmodels, Scikit-learn, Yfinance, Pandas, Numpy, Matplotlib, Quantstats. Indicators: Bollinger Bands, MACD and SMA
Duration	2023/11 ~ 2024/12

Company Name	Apurba-DIU Research & Development Lab
Job Title	Research Assistant
Job Responsibilities	1. Generated 1 million dynamic handwritten data. 2. Contributed to the Font Interoperability Engine Project as a Font Tester. 3. Performed OCR data annotation and segmentation at both character and word levels.
Duration	2022/04 ~ 2023/03

| Professional Project Experience

Duration	Project Details	Technology Used
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2024/07 ~ 2024/12	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.
2023/11 ~ 2024/06	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.

| Academic or Personal Project Experience

Duration	Project Details	Technology Used
2025/04 ~ 2025/05	Project Title: Research Paper Summarizer App (GitHub Reference) Project Overview : Built a Streamlit-based app that uses LangChain and OpenAI to generate paper summaries based on user-selected style and length.	Language: Python Library: Streamlit, LangChain, OpenAI API
2025/02 ~ 2025/03	Project Title: Student Management CRUD API using Django REST Framework (GitHub Reference) Project Overview: Developed a CRUD-based RESTful API using Django REST Framework to manage student records efficiently.	Language: Python Framework: Django REST Framework
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, Scikit-learn, Pandas, Numpy, nltk, matplotlib.

| Language Skills

Language	Reading	Writing	Listening	Speaking
Bengali	Excellent	Excellent	Excellent	Excellent
English	Excellent	Excellent	Excellent	Excellent

| Special Achievements

- Won **1st place** in DIU Battle of Minds 2.0 (2020) ([Certificate](#))
- Ranked in the **Top 4%** (11th/300+) 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+)