

## | Basic Information

Name	SUBRINA SIRAJEE
Date of birth	1999/12/24
Current Address	Dhaka, Bangladesh.
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E-mail	subrina98sirajee@gmail.com
Portfolio link	<a href="#">Personal Portfolio</a> <a href="#">GitHub</a> <a href="#">LinkedIn</a>



## | Academic Background

Degree	B.Sc. In Computer Science and Engineering		
University Name	<a href="#">Daffodil International University</a>		
Duration	2019/05~2023/08		
Passing Date	2023/09	CGPA	3.93/4.00

## | Technical Skills

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	<a href="#">Anchorblock Technology LLC</a>
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	<a href="#">Apurba-DIU Research &amp; Development Lab</a>
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	<b>Project Title : Stock Signal Prediction (<a href="#">Github Reference</a>)</b> Project Overview : Established a module by leveraging Bollinger Bands, MACD, SMA, and LSTM model for precise buy, sell, and hold signal generation.	<b>Language :</b> Python <b>Library :</b> Zipline, Statsmodels, Scikit-learn, Yfinance, Pandas, Numpy, Matplotlib, Quantstats. <b>Indicators:</b> Bollinger Bands, MACD, SMA.
2023/11 ~ 2024/06	<b>Project Title : Trend Following Strategy (<a href="#">Github Reference</a>)</b> Project Overview : Implemented trend following strategy by leveraging single Bollinger Bands, single MACD and combined bollinger bands and MACD for backtesting.	<b>Language :</b> Python <b>Library :</b> Zipline, Statsmodels, Scikit-learn, Yfinance. <b>Indicators:</b> Bollinger Bands, MACD.

## | Academic or Personal Project Experience

Duration	Project Details	Technology Used
2025/04 ~ 2025/05	<b>Project Title: Research Paper Summarizer App (<a href="#">GitHub Reference</a>)</b> Project Overview : Built a Streamlit-based app that uses LangChain and OpenAI to generate paper summaries based on user-selected style and length.	<b>Language:</b> Python <b>Library:</b> Streamlit, LangChain, OpenAI API
2025/02 ~ 2025/03	<b>Project Title: Student Management CRUD API using Django REST Framework (<a href="#">GitHub Reference</a>)</b> <b>Project Overview:</b> Developed a CRUD-based RESTful API using Django REST Framework to manage student records efficiently.	<b>Language:</b> Python <b>Framework:</b> Django REST Framework
2024/01 ~ 2024/02	<b>Project Title : Machine Health Prediction (<a href="#">Github Reference</a>)</b> Project Overview : Initiated and implemented a machine health forecasting system by leveraging data labeling and machine learning pipeline integration.	<b>Language :</b> Python <b>Library :</b> Statsmodels, Scikit-learn, Pandas, Numpy, Matplotlib, Seaborn.
2023/09 ~ 2023/10	<b>Project Title : Movie Recommender System (<a href="#">Github Reference</a>)</b> Project Overview : Developed a system using NLP and ML techniques for personalized movie recommendations.	<b>Language :</b> Python <b>Library :</b> Scikit-learn, Pandas, Numpy, nltk.
2022/12 ~ 2023/06	<b>Project Title : Dynamic Bangla Chatbot (<a href="#">Github Reference</a>)</b> Project Overview : Created a dynamic Bangla chatbot focused on admissions using a <b>Transformer Model</b> .	<b>Language :</b> Python <b>Library :</b> 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+)