MD SAMIUL ISLAM

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Education:

BRAC University   January 2017 - December 2020(expected)
B.S. in Computer Science and Engineering

Technical Skills

Programming Language: C/C++, JAVA, Python.   **Database:** MySql.
Web Programming: PHP, HTML, CSS, JS.   **Version Control:** Git.
Operating System: Linux.   **Tools:** VS Code, IntelliJ IDEA, Code::Blocks IDE.

Programming Contest Participation:

Title of the Contest	Year of Participation	Achievement
BRACU Intra University Programming Contest	2017	Champion
BRACU Intra University Programming Contest	2018	Champion
IEEE Xtreme 13.0	2019	5th (In Bangladesh)
UITS Inter-University Programming Contest	2019	8th
IUB IEEE Inter-University Programming Contest	2019	12th
AUB Inter-University Programming Contest	2018	24th
MIST National Collegiate Programming Contest	2020	75th
International Collegiate Programming Contest, Dhaka Regional	2018	Top 50%

Work experience:

[01] Problem Setter in Toph.co Online Judge

Toph is where competitive programmers participate in programming contests, solve algorithm and data structure problems and become a part of an awesome community. I had Created problems and managed programming contests there.

[02] Trainer & Mentor

Played a role as a trainer at university programming bootcamps and was a mentor for grooming junior programmers.

Projects:

[01] New York City Taxi Fare Prediction

In this ML project, I've tried to predict New York City Taxi Fare using a linear model. Data cleaning, feature engineering, and data visualization are also applied here.
The technology used here: **numpy, pandas, matplotlib, linear-regression.**
Link → (github.com/cosmicray001/New_York_City_Taxi_Fare_Prediction).

[02] Appointment System

Using this appointment system, a car owner can book slots under a desire mechanic. There is also an admin panel where an administrative person can monitor and organize the whole system.
The technology used here: **Frontend: HTML, CSS, JS; Backend: PHP, MySql.**
Link → (github.com/cosmicray001/appointmentSystem).

[03] Climate Modeling and Simulation

Temperature anomaly and greenhouse gas emission rate forecasting using time series analysis. Tried to visualize the carbon emission rate in different areas using geopandas and predicted the scenario for the next 50 years.
The technology used here: **geopandas, numpy, pandas, matplotlib.**
Link → (https://github.com/cosmicray001/Climate-Modeling-and-Simulation).