Iqramul Islam

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CAREER OBJECTIVE

As a driven and ambitious software engineer, I aim to work with innovative teams where I can use my skills to create strong and adaptable software solutions. With a passion for problem-solving and a commitment to continuous improvement, I am eager to contribute to projects that push the boundaries of technology while fostering an environment of innovation and growth.

LINKS

- **github**.com/ikramuzzamansifat
- **Leetcode**.com/sifat_2017331054
- **CodeChef**.com/users/iqramul_islam
- **Codeforces**.com/profile/sifat_2017331054
- **LinkedIn**.com/in/iqramul-islam-12b078219/
- **Stopstalk**.com/user/profile/iqramul_islam

SKILLS

C/C++

Python

Django REST

Celery, Celery beat

Typing Speed: **90 wpm**(around)

EDUCATION

B.Sc. Engineering in CSE (2018 - 2023)
Shahjalal University of Science and Technology
CGPA: 3.60/4.00

HSC , 2017
Abdul Kadir Mollah City College, Narsingdi
GPA: 5.00

SSC 2015,
Katiadi Govt High School
GPA: 5.00

PROBLEM SOLVING

Problem Solving

- Have experience of problem solving in some well known Online judges such as Codeforces, Codechef, Leetcode etc.
- **Max rating**: Leetcode: **1878+ (Knight level)** Codechef: **1692+ (3*)** Codeforces: **1417+** (specialist),
- Have solved **1200+** problems and have eager to solve more.
- My solved problems can be seen in following links: **Codeforces**, **Stopstalk**, **Leetcode** and **Vjudge**

WORK EXPERIENCE

Software Engineer Intern, LIILAB   June 2023 – September 2023

- Contributed to **Django** and **Django Rest Framework**-based solutions for existing company products.
- Enhanced backend functionality for scalability and efficiency.
- Collaborated on projects, ensuring seamless integration of **Flutter** for android development.

PROJECTS

Dashboard Website   August 2023

- A dynamic dashboard for an Android app, displaying key metrics and data visualization.
- Components:
  - Cards: Total Users, Active Users, New Users, VIP Users, etc.
  - Charts: Question Practice, Mock Test, Subscription Summary, etc.
- Technologies: Django Rest, Django template, AJAX, Bootstrap, ChartJS

Expense Tracker (website)   Jun 2023 - Jul 2023

- A simple website where user can store his daily expense typewise
- Can see expense History, search for expense history
- Send instant/daily/weekly/monthly expense report to email
- **Technologies:** Django, Django REST, Django template, Celery, Celery-beat

Ecommerce Website   Mar 2022 - Aug 2022

- 3 API , Ecommerce, Supplier, Bank
- I have done the Ecommerce API and helped my teammate to complete the others.
- **Technology**: Node.js, Express.js, MongoDB

RSA and MorseCode Emulator

- A console application that serves as a utility for Morse code encoding/decoding and RSA encryption/decryption.
- **Language**: C sharp

RESEARCH

Diffusion Model for Oversampling Class Imbalanced Tabular Data Sept 2022 - March 2023 (SUST)

- Implemented a denoising diffusion probabilistic model to tackle class imbalance in tabular data for credit card default prediction.
- Generated synthetic data that statistically mirrors the original dataset, surpassing the performance of GAN and VAE in classification.
- Developed 'keshik,' a versatile pip package with a simple API, enabling oversampling of minority categories in class-imbalanced tabular data.
- The package goes beyond credit card default prediction, making it applicable to various scenarios with imbalanced data.

Reinforcement Learning for Anomaly Detection in Financial Time Series March 2022 - August 2022 (SUST)

- In this study, we proposed a research initiative to use reinforcement learning for detecting anomalies in financial time series data, focusing on SP 500 stocks.
- Aimed to identify unusual patterns in stock market data, which could indicate potential market manipulation.
- Planned to introduce a novel model selection framework using reinforcement learning to leverage diverse anomaly profiles in time series data.
- Although the research has not progressed further, the intention was to address the critical task of anomaly detection in financial data.

EXTRA

- Participated in several hackathon and programming competition and math olympiad.
- I have taught several students (school, college, University) Computer Science related subject, ICT and Science related subject in online and offline.