Jahir Raihan Joy

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SKILLS

Python, Javascript, Django, FastAPI, Html, Css , Sass, Git , Github, Sql, Django Rest Framework, API, UnitTesting, TailwindCSS, Vue.js, React

PROBLEM SOLVING ACTIVITIES

- Solved **500+ problems** on platforms including <u>LeetCode</u> , <u>CodeChef</u> , <u>HackerRank</u> , <u>Toph</u> <u>Codeforces</u>.
- **ICPC 2023 regional finalist.**
- Participated in prestigious **national hackathons** including **Code Samurai 2022, BD Apps, Quant Hackathon.**

PROFESSIONAL EXPERIENCES

Software Engineer - Remote   Jan 2024 - Current, Dhaka - Bangladesh
Qtec Solutions Limited

- Participated in Design & Implementation of **Subscription Module** & **Ad System,** distributing ads to normal users.
- Implemented new search algorithm reducing **api** response time from **5-10s** to **50-150ms.**
- Designed & Implemented **caching** utility with **compression system** reducing **space used by cache data 70% and response time by 55%.**
- Implemented first stage **recommender** system to recommend personalized videos for users which led user **satisfaction by 60%.**

PROJECTS & CONTRIBUTIONS

<u>**Traffic Complaint**</u> **:** Implementing an **complaint system** where users will be able to complaint about traffic crimes directly to traffic police with a rich and easy to use interface integrated with **gemini API** by uploading images or video.

<u>**Sporting Club**</u> **:** Developing an **Sporting Club Booking System** for booking grounds online with handling collisions.

<u>**E-commerce Website**</u> : Developed a functional **E-Commerce** web application for managing online clothes stores .

<u>**Calendar Generator**</u> **:** Built as an open source learning project, contributed **generator** functionality including UI skeleton Development, download functionality, and weekend marking for specified regions added by contributors.

<u>**Geo Geo App**</u> **:** Crawls the web for given websites of BD for data to render government project details and their locations.

<u>**E-Ticketing**</u> : Developed a basic online ticket booking system for bus networks with collision handling mechanism.

<u>**Url Shortener**</u> : Simple url shortener application to generate shortened url for a given url using SHA1, and UUID4 algorithm

OPEN SOURCE

- Fixed error handling logic in checkdmarc for spf and dmarc invalid exception propagation on string modular element.

EDUCATION

Compact Polytechnic Institute, Feni   *August 2019 - January 2024*
Diploma in Engineering
- **Major :** Computer Science and Technology
- **CGPA Overall : 3.66/4.00**