

# Jahir Raihan Joy

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## SKILLS

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Python, Javascript, Django, Html, Css , Sass, Ajax, Git , Github, Jquery, Sql, Django Rest Framework, API, UnitTesting, Selenium, BeautifulSoup, TailwindCSS, Vue.js, FastAPI

## PROBLEM SOLVING ACTIVITIES

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- Solved 500+ problems on platforms including [LeetCode](#), [CodeChef](#), [HackerRank](#), [Toph](#) [Codeforces](#).
- ICPC 2023 regional finalist.
- Participated in prestigious national hackathons including Code Samurai 2022, BD Apps, Quant Hackathon.

## PROFESSIONAL EXPERIENCES

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**Software Engineer** Current, Dhaka - Bangladesh  
**Qttec Solutions Limited**

- Participated in Design & Implementation of **Subscription Module** for managing premium and 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%**, calculated by pole.

## OPEN SOURCE PROJECTS & CONTRIBUTIONS

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**Sport Club Online Booking System** – Author & Contributor

- Developing an **Sporting Club Booking System** for booking grounds online with handling collisions.

**E-commerce Website** – Full Stack Developer

- Developed an **E-Commerce** web application to manage online clothes stores with payment integration.

**Calendar Generator** – Author & Contributor

- Started as an open source learning project, contributed **generator** functionality including UI skeleton development.

**Geo Geo App** – Hackathon Project

- Crawls the web for given websites of BD for data to render government project details and their locations on the map.

## OPEN SOURCE

- Enhanced error handling logic in checkdmrc for spf and dmarc invalid propagation.
- Fixed possible cause of nvm macOS title like directory name issue when creating env - **Under review**.

## EDUCATION

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**Compact Polytechnic Institute, Feni** *August 2019 - January 2024*  
Diploma in Engineering

- **Major** : Computer Science and Technology
- **CGPA Overall** : 3.66/4.00