Sk. Amir Hamza

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EXPERIENCE

June, 2021 - August 2021.

City University— *Competitive Programming Trainer*

June 2021 - August 2021

- Worked with the student to build a strong basic CS background and improve their problem-solving skills and try to advise them to prepare for a national level contest before ICPC 2021.

Problem Setter and Judge

- IEEE EWU Intra university programming contest 2021
- Intra EWU Kick of contest 2021

PROJECTS

CoderOJ.Com / Coder Online Judge

Programming problems practice and contest platform. Couple of Intra university programming contests host this judge. Currently **1500+** users use this judge.

- **Tools:** Laravel, Mysql, C++, Bash, Redis, Socket, Laravel Echo, Php, Html, CSS, Jquery
- **Github:** github.com/coderoj-dev/Online-Judge
- **Live**: CoderOJ.Com

Judger

Online C, C++, Java, Python,C# code compile, run and provide output, verdict , total time, and memory use in the linux environment and during the code execution create an isolated sandbox for untrusted code execution.

- ➔ Implement Dockerfile for server installation.
- ➔ Create an isolated sandbox during code execution.
- ➔ Implement CI/CD between github to digitalocean and github to docker-hub for auto deployment.

- **Tools**: C++, Php, Bash, Docker
- **OS**: Linux
- **Github:** github.com/coderoj-dev/Judger

Virtual Classroom

All online classroom features support live class, real time collaborative whiteboard and class chat feature.

- **Tools**: Laravel, Php, Socket, JavaScript, jQuery, Html, CSS, Bootstrap
- **Github:** github.com/amirhamza05/Classroom

SKILLS

- **Languages**: C/C++, PHP, JavaScript, Shell, Python

- **Framework/Tool:** Laravel, Jquery, Docker, Socket IO,
- **Database:** Mysql, Oracle, Redis
- **Cloud:** digitalocean, AWS S3

Awards

Competitive Programming

Represented EWU in around **15+** National level programming contests

- Participate **ACM ICPC Dhaka Regional Onsite Contest** 2018, 2019, 2020

- **2nd Position** – Inter Private University Contest UITS 2019

- **19th Position** – National Collegiate Programming Contest (NCPC) 2020

- 1600+ rating in Codeforces and 103 th world rank (2nd in Bangladesh) in Codeforces Round #611

- More than **1500**+ problems have been solved in different types of online judges like Codeforces, Lightoj, Uva.

Project ShowCase

- **Runners Up :** Intra University CSE Fest Project ShowCase 2018

Education

East West University/ BSC in Computer Science & Engineering

Spring 2017 - Fall 2021. Total earned credit - 140 out of 140.