Mushfiqur Rahman Talha

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About Me

I am a passionate competitive programmer and tech enthusiast. I love exploring emerging technologies to stay at the forefront of innovation. I love solving new challenges with a creative and analytical mindset.

Education

2021- Bachelor of Science (Software Engineering) - Islamic University of Technology, Gazipur

Current CGPA: 3.79/4.00 (Continuing)

2018-2020 Higher Secondary School Education - Barishal Cadet College

GPA: 5/5

Extra Curricular Activities and Achievements

- Performance in different online judge platforms for algorithmic problem solving:

    - Codeforces (Handle: Mushfiq Talha): Maximum rating 1706 (Expert). Solve count: 1000+
    - Codechef (Handle: talha76): Maximum rating 1999 (4*). Solve count: 140
    - Atcoder (Handle: Talha76): Maximum Rating 660. Solve count: 200+
    - Virtual Judge: Solve count: 400+
    - LightOJ (Handle: talha76): Solve count: 100+
    - StopStalk handle

- Participated in SRBD Coding Competition Final Round 2023, where 50 participants were selected out of 300 participants for the final round (Individual Contest).

- Secured 85th position globally and 2nd position in Country in Codeforces Round 943 (Div. 3).

- 1st position in Coderush 1.0 Intra IUT Programming Contest, 2022.

- 3rd position in Intra IUT Year Programming Contest, 2021.

- 10th position in SEC Inter University Junior Programming Contest, 2022.

- 16th position in ICPC Asia Dhaka Regional Online Preliminary hosted by BUBT, 2023.

- 23rd position in CoU-BRACNet Inter University Programming Contest 2023.

- 26th position in Inter University Programming Contest hosted by CUET, 2024.

- 28th position in 2022 ICPC Asia Dhaka Regional Online Preliminary Contest Hosted by Green University of Bangladesh.

- Participated in many other programming competitions.

Key Competencies and Skills

- **Software Engineering Skills**

  Programming and Scripting Languages: Python, Java, Bash, C, C++, C#, Javascript, Typescript, PHP, HTML, CSS, Markdown
  Frameworks & Libraries: ExpressJS, PassportJS, Selenium, Flask, ReactJS, NextJS, Bootstrap, Spring
  Technologies & Toolboxes: Docker, NodeJS, Bun, Latex, Bootstrap studio, Codux, Android Studio, Jira, Postman
  Database Management Systems: Oracle, MySQL, PostgreSQL, MongoDB
  Source version control: Git
  Excellent knowledge in working with windows and Linux/Unix platforms

- **Soft Skills**

  - Proficient in using Microsoft Office suite applications
  - Excellent communication, leadership, interpersonal and pedagogical skills
  - Management skills and ability to work with a team
  - High level of motivation and self-drive

Experience

Aug 2022 -   Competitive Programming Instructor at IUT
Present   *Competitive Programmer*

Accomplished Projects

- **Gold Price Estimator:** A machine learning based application, for predicting the price of gold. This is a work-in-progress project Scikit-learn python library was used for the regression and matplotlib, seaborn are used for data visualization. Numpy and Pandas library are used for computation and data manipulation.

- **Vehicles Entry & Exit Record Management System:** This web-application was designed as an academic project, primarily for keeping records of the entry time & exit time of vehicles entering IUT. Additionally, banning vehicles, penalizing vehicles could be handled using this application. This application was implemented using Javascript (ECMAScript standard), ExpressJS, NodeJS, and some parts of this project was implemented using Python (Flask).

- **Leave & Late Management System:** This web-based application was designed as an academic project, for keeping records of leaves and late arrivals of students in IUT Residential Halls. This Application was developed using Javascript (CommonJS standard), ExpressJS, NodeJS.

- **ICPC Tracker:** A web-application for tracking the registered teams' details for the ICPC online preliminary of and institution. This was developed using Javascript (CommonJS standard).

- **Course Evaluator:** A web-scraper to automatically evaluate courses and give feedback. Selenium python library was used for this application.

- **Kaaj-Kormo:** An online job portal for finding and posting jobs. This project was developed using php.

- **Racing in IUT:** A java application (academic project) incorporating different design patterns.