




# Mahedi Hasan

Competitive Programmer | Problem Solver

 <https://github.com/MeHeD1HaSaN>

 mahedigub24@gmail.com  +880 171726-3647  Kuril Chorasta, Dhaka, Bangladesh



## Technical Skills

<b>Languages</b>	: C, C++, Java, Python, Dart
<b>Libraries</b>	: Numpy, Pandas, Scikit-learn, Matplotlib
<b>Frameworks/Platforms</b>	: Flutter, Android.
<b>Dataset</b>	: RDBMS (MySQL).
<b>Others</b>	: RESTful API, Git, GitHub, Postman, Figma, LaTeX, MS (Word, Excel, PowerPoint)

## Professional Experience

### TechnoNext Limited Bangladesh

Intern Software Engineer

Oct. 2023 – Present

Dhaka, Bangladesh

- Good Communication Skill, Sincere to Work, Actively Learn New Thing
- Good Knowledge of UI design, Developed Mobile App UI using Flutter framework, Developed RESTful API using Flutter
- Create Project using MVC architecture, know about MVVM architecture
- Used GetX State Management, know about Provider State Management
- Developed some App UI using Flutter, Integrated RESTful API

## Programming Skill

### Problem Solving Skill

Competitive Programmer

2020 – Present

Bangladesh

- **Codeforces:** Handle: MeHeD1\_HaSaN, Max Rating: 1101  
Total Solved: 500+ problems, Total: 75 Contests.
- **BeeCrowd:** Handle: mhasan623, Total Solved: 235 problems.
- **LightOJ:** Handle: mehedi20, Total Solved: 40+ problems.
- **UVa:** Handle: mehedi20, Total Solved: 50+ problems.
- Total Solved **900+** problems in different Online Judges (e.g. LeetCode, Uva, Codeforces, LightOJ, BeeCrowd, AtCoder, SPOJ).
- Expertise in problem-solving and data structures (LinkedList, HashMap, Segment Tree) and Algorithms (Binary Search, Graph Theory, Dynamic Programming, Number Theory).
- Capability of analyzing program time and memory complexity.

### Online and Onsite Programming Contests

Competitive Programming Experience

2020 – Present

Bangladesh

- Participation Online, 100+ Contests (Codeforces, Vjudge, HackerRank, Preliminaries, etc).
- Participation Onsite, Intra Department Programming Contest, Inter-University Divisional level (BUET IUPC, RUET IUPC 2022) and ACM International Collegiate Programming Contest (ICPC), Dhaka Regional, 2022.

## Achievements

- Individual Rank-3rd** : Intra Department Programming Contest (IDPC), 2022.
- Individual Rank-2nd** : Independent Day Intra Department Programming Contest (IDIDPC), 2021.
- Individual Rank-3rd** : Intra University Programming Contest (IUPC), CSE Carnival 2020.

## Project

---

### Developed a Mobile Application “Business Card” UI

Individual Project

Flutter | Frontend | UI

Making UI by using the Flutter framework. Here an employee can create and edit a card using his/her name. Also, he/she can add a photo, designation, company name, and title. Show all of the creating cards on the home page. All of the processes(Card create, edit, delete, get a card) will be done by API calls. It shows and stores all Front-END data from the Back-End through the API.

**Source Code:** [https://github.com/mehed1hasan/business\\_card](https://github.com/mehed1hasan/business_card)

### Vojonprio

Individual Project

Flutter | GetX | MVC | UI

It is a Food delivery app. Developed the app UI by using GetX state management and MVC architecture using Flutter Framework.

## Academic Credentials

---

- **BS in Computer Science & Engineering**

Green University of Bangladesh (GUB)

Bachelor's degree program

Feb. 2020 – Feb. 2024

Major: Computer Science & Engineering

Final CGPA: 3.59 out of 4

## Research

---

### Automatic PowerPoint Slide Preparation from Video Presentation

Lead Author

YOLOv8 | Object Detection | Machine Learning | Python

We've gathered 3114 distinctive frames from approximately 290 videos sourced from various platforms like YouTube, Udemy, and Coursera. Each frame has been meticulously annotated on the Roboflow platform, incorporating text, images, or both. Our dataset empowered the fine-tuning of YOLOv8 and Faster R-CNN models. Leveraging the top-performing model, we successfully detected objects within the video frames and seamlessly generated PowerPoint slides.