

# Md. Albin Hossain

**Summary:** As a former competitive programmer with solved over 1800 problems on various online judges, I have developed strong skills in Data Structures and Algorithms. I am a creative problem solver who enjoys learning about new technologies and tackling complex challenges.

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Sheachar, Kutubpur, Narayanganj

## EDUCATION

**Daffodil International University, Dhaka, Bangladesh**  
Bachelor of Science in Computer Science and Engineering

JANUARY 2019 – FEBRUARY 2023 | CGPA 3.82 out of 4.00

## SKILLS

- Proficient in C/C++, Kotlin, Java, and Python
- Android Development: Compose, Material Design, Animations, MVVM, Coroutines, Dagger Hilt, Retrofit, Coil, RESTful APIs, JSON, Room Database, MapLibre, WorkManager, Unit testing, Instrumental testing
- Experienced with Git, Firebase, OpenGL, VS Code
- Familiar with HTML, CSS, JavaScript, Node.JS, SQL
- Strong knowledge of data structures and algorithms
- Creative problem solver and competitive programmer

## PROBLEM SOLVING & CONTEST PARTICIPATION

- Solved over 1800 problems on various online judges such as Codeforces (750+ with Max Rating: 1466), UVA (402+), LightOJ (118+), Beecrowd (315+), SPOJ (37+), HackerRank (20+) and others.
- Ranked among top 16% in DIU Intra University Programming Contest 2021
- Ranked among top 2% in DIU Take off Programming Contest, Summer 2019
- Team Contests Ranks:
  - Top 38%, DIU\_Resolvers, ICPC ASIA DHAKA REGIONAL 2021
  - Top 65%, DIU\_Ternary, Cefalo CodeFiesta 2022: AUST IUPC
  - Top 53%, DIU\_Ternary, RUET CSE FEST 2k22 IUPC.
  - Runner UP, DIU Inter-Section Programming Contest 2019

## PROJECTS

**Run++** — A Visual Studio Code Extension.

Developed a beginner-friendly and efficient tool for testing codes in C/C++, Python, Java. Published on the VS Marketplace with over 36000 installs.

<https://mdalbinhossain.github.io/Run>

**Tasks** — An Android app for to do list.

Developed an interactive task management app with Kotlin, Jetpack Compose, MVVM, Hilt and Room Database.

<https://mdalbinhossain.github.io/Tasks>

**Clash-of-Cars** — OpenGL C++ Car game.

Designed and developed a fun and interactive car racing game using OpenGL and C++. Implemented features such as collision detection, sound effects, score system, and game over screen.

[mdalbinhossain.github.io/Clash-of-Cars](https://mdalbinhossain.github.io/Clash-of-Cars)

**Albin's Profile** — A personal website.

Developed a responsive and elegant website using HTML, CSS and JavaScript. Hosted the website with a custom domain name.

<https://www.albin.com.bd>

## VOLUNTEER EXPERIENCE

**Problem Setter & Judge** — ACM, DIU CPC

Authored and tested 15+ challenging problems for several intra-varsity programming contests. Ensured the fairness and quality of the contests.

**Judging Director** — ACM, DIU CPC

Lead a judge panel, managed the problem set and judging system for programming contest with over 600 participants.

**Trainer** — ACM, DIU CPC

Conducted training sessions on data structures and algorithms for aspiring competitive programmers.