

Md. Albin Hossain

Full Stack Android Developer | Kotlin

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Narayanganj, Dhaka, Bangladesh

EDUCATION

Bangladesh University of Engineering and Technology
Master of Engineering in Computer Science and Engineering
Started July 2023

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, and Python
- Jetpack Compose, Material Design, Animations, MVVM, Dagger Hilt, Ktor, Coil, Retrofit, APIs, JSON, Paging, Caching, Coroutines, Firebase, Room Database, Google Maps API, MapLibre, WorkManager
- OOP, Clean Architecture, Relational Database
- Experienced with Git, VS Code, OpenGL, SQL
- Familiar with HTML, CSS, JavaScript Node.JS
- Strong knowledge of data structures and algorithms

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

News — Latest headlines and news search.

Designed visually stunning News UI with Compose. Provided offline caching with Room and efficient data fetching with Retrofit & Paging3.

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

Chatbot — Based on Google Gemini Ai.

Interactive chatbot bringing engaging and informative responses and image-based insights to the users. Uses Gemini Pro Vision to analyze images and provide contextual responses.

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

Tasks — Reminder Scheduling and Todo.

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

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

Notes — Native android note taking app.

Designed and developed with Kotlin, Compose, for creating and managing instant notes.

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

Run++ — A Visual Studio Code Extension.

An efficient tool for running and testing codes in C/C++, Python, Java. Published on the VS Marketplace with over 43K installs.

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

VOLUNTEER EXPERIENCE

Problem Setter & Judge — ACM, DIU Computer and Programming Club (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.