

Md Abir Hasan Fuad

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🌐 www.linkedin.com/muhammad-abir 🏠 github/muhammad-abir

SKILLS

EXPERTISE

System Design, Concurrency and Parallelism in languages like Golang, Memory Management and Garbage Collection, Alloy Analyzer, Fortify Analyzer, LLM model tuning, Vector Database integration, Linux OS.

FRONT END DEVELOPMENT

JavaScript, TypeScript, ReactJS, NextJS, Tailwind CSS.

MOBILE DEVELOPMENT

Flutter, Firebase, React Native, SQLite.

BACK END DEVELOPMENT

Golang, NodeJS, MongoDB, Firebase, Vercel Postgres, Oracle, My-SQL.

SOFT SKILLS

Creative Thinking, Punctual, Team Player.

PROBLEM SOLVING

Solved 150+ problems in various online judges like Leetcode, Codeforces using C/C++.

EXPERIENCE

GREENTECH APPS FOUNDATION (Flutter, SQLite, Database Design, SQL, Firebase, Google Analytics) 🌐

Mobile Application Developer.

Jun 2023 – Sep 2023

Hadith Collection (Google Play Store) 🌐 : Worked with the Hadith app to implement narration chain using Flutter through SQLite database integration.

Deen Quiz (Google Play Store) 🌐 : Implemented Authentication using Firebase.

Implemented **Google Analytics** to monitor user traffic across the application.

PROJECTS AND HACKATHONS

SOLO WORKS:

PROJECT 1 (Golang, Concurrency and Parallelism) : Complexity-Analyzer 🌐 where I was exposed to different concepts like concurrency and parallelism and automated memory management.

PROJECT 2(Python, Ollama) : HadithLLM 🌐 Is a product powered by Retrieval Augmentation Generation model that taught me concepts like context understanding enhancement, tuning large language, and vector database integration works.

PROJECT 3(ReactJS, MongoDB, NodeJS, ExpressJS) : WhatToDo 🌐 a todo application which involves creating RESTful APIs with NodeJS and ExpressJS. At frontend used ReactJS.

CHAMPIONS OF IUT HACKATHON 2023 (CODERUSH 1.0 EVENT) :

PROJECT (NextJS, TailwindCSS, Wireframing) : The automated CV generator 🌐 ,made with T3 Stack 🌐 .

FINALISTS OF BUET CODECRAFTERS INTERNATIONAL 2024 :

PROJECT (NextJS, TailwindCSS, Figma) : NextHub 🌐 is a Version Control System similar to Github. **I WORKED ON:** front end using NextJS, TailwindCSS.

PORTFOLIO WEBSITE

<https://next-portfolio-six-murex.vercel.app/> 🌐

EDUCATION

Islamic University of Technology (IUT)

2024 Bachelor of Science, Software Engineering, Board Bazar, Gazipur
Jun 2024

Adamjee Cantonment College

HSC GPA-5.00 with scholarship.

BAF Shaheen School, Tejgaon

SSC GPA-5.00 with scholarship.

CERTIFICATES AND AWARDS

WORK EXPERIENCE 🌐

CERTIFICATE

BUET HACKATHON 🌐

FINALIST

IUT HACKATHON 🌐

CHAMPION

UDEMY COURSE 🌐

COMPLETION

GOOGLE CLOUD BADGES 🌐

GENERATIVE AI, LLM

COURSEWORK

Data Structures and Algorithms

Web and Mobile Application Development

Server Programming

Machine Learning

Probability and Statistics

Linear Algebra

Geometry and Differential Calculus

Database Management Systems

Embedded Software Development

INTEREST

1

I have interest in ideating application opportunities and solving real life problems.

2

Interested in making myself better for the greater good.