

# Hossain Mahmud

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## Profile

Strong in **Algorithm** and **Data Structure** with intuitive problem-solving skills. Passionate about implementing and launching new projects.

## Education

**Bangladesh University of Professionals**  
BSc in Information & Communication Engineering  
CGPA: 3.78/4.00  
Graduating on February, 2021

**Notre Dame College, Dhaka**  
Science (2013 - 2015)  
GPA: 5.00/5.00

## Competitive Programming and Problem Solving

### Problem-Solving in Different Online Judges:

- Solved **1000+** problems in various online judges.  
[StopStalk Profile] [↗](#)

### Online Programming Contest Performance:

- Within the top **10%** of Bangladeshi contestants in platforms like Codeforces and Codechef

### Inter University Programming Contest (IUPC):

- Stood 6th in BAIUST IUPC 2020 [↗](#)
- Honorable Mention in 22nd ICPC Dhaka Regional [↗](#)

## Volunteering Experience

### Vice President, BUP InfoTech Club

Arranged workshops and programming competitions involving hundreds of participants.

### Programming Mentor, IEEE BUP WIE Affinity Group [↗](#)

Guided the freshmen and college affiliated students to advance their career in programming.

### Programming Challenge Creator

Created programming challenges for BUP Intra University Programming Contests. [Problemset] [↗](#)

## Certifications

- Object-Oriented Design**, *LinkedIn Learning* [↗](#)
- Learning SQL Programming**, *LinkedIn Learning* [↗](#)
- Problem Solving Certificate**, *Hackerrank* [↗](#)

## Technical Skills

### Languages & Frameworks:

C, C++, Python, Django, JavaScript

### Software Development:

OOP, OOD, Agile, UML

### Databases:

SQL, SQLite

### Version Control System:

Git, Github

### API Integration:

REST API

### Design Skills:

CSS, Bootstrap

## Projects

### VERDICT | WEBSITE [↗](#), GITHUB [↗](#)

- A fully featured **blog application** demonstrating MVC architecture in **Django**.
- Implemented with all the best practices like User Authentication, Create, Update, Edit & Delete Posts, Comments, Likes and many more.

### ONLINE SUDOKU SOLVER | GITHUB [↗](#)

- A web application built with python to visualize sudoku solving using **Backtracking** algorithm.
- Implemented automation using PyAutoGUI module.

### A PORTFOLIO SITE | WEBSITE [↗](#), GITHUB [↗](#)

- My own portfolio site built with HTML, CSS, Bootstrap and JavaScript.

### SPORTS NEWS AGGREGATOR | GITHUB [↗](#)

- A web application built with Django which aggregates latest sports news from multiple websites.
- Implemented Web Scraping using BeautifulSoup and Selenium for dynamic pages.