

# MD. Samrat Hossen

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## PROFESSIONAL EXPERIENCE

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**WordPress Developer at WeLabs**

05/2024 – present

## EDUCATION

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**B.Sc Engineering (Computer Science and Engineering)**

03/2018 – 01/2024

Comilla University

Cumilla

CGPA: 3.71 Out of 4.00

## PROJECTS

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### SoHa-Living

*Technology: Wordpress, PHP*

I build here lots of REST API to manage the Project. This plugin helps us as a project manager, HR manager, Community Manager, and Portfolio Manager.

### Bazaarica-Kozmetca

*Technology: WordPress, PHP*

In this project, I extend some features of WooCommerce, and Dokan plugins.

### Online Quiz System

*Technologies: HTML, CSS, PHP, JavaScript, MySQL*

->Implemented user-friendly interfaces for seamless navigation and interactive quiz-taking experience.

->Made a ranking system with obtained scores.

->Integrated backend database management to store and retrieve quiz data securely and efficiently.

### Mess Management

*Technologies: HTML, CSS, PHP, JavaScript, MySQL*

->Facilitated efficient management of mess operations, including meal planning and billing.

->Employed robust data management tools like Google Sheets to ensure accurate and reliable data handling.

### Virtual Mouse (Real Time)

*Technologies: Python*

Developed a real-time virtual mouse using Python, enabling users to control computer interfaces without physical input devices. Leveraged computer vision and gesture recognition techniques to track hand movements and translate them into mouse actions.

## RESEARCH

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### Detecting Bangla Fake News With Machine Learning: Multi-Algorithm Approach

*Technologies: Machine Learning, Python*

->Conducted in-depth research on detecting fake news in Bangla language using machine learning.

->Explored a multi-algorithm approach involving various machine learning algorithms to improve accuracy.

->Collected and preprocessed a diverse dataset of Bangla news articles for training and evaluation purposes.

->Evaluated the performance of different models using metrics such as precision, recall, and F1 score.

## PROBLEM SOLVING EXPERIENCE

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- Participated in at least 7+ national and regional level programming contests including NCPC, ICPC preli.
- Participated in at least 150+ online programming contests in various OJ including codeforces, atcoder etc.
- Solved at least 1500+ problems in different Online Judges i.e. Codeforces, LightOJ, Leetcode, Spoj, etc.

## COMPETITIVE PROGRAMMING EXPERIENCE

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137th - NCPC 2023, Team: CoU\_LastShot

7th - CoU Intra Programming Contest - 2019 (IUPC), Team: CoU\_3\_Dimension

12th - NWU CSE FEST - 2023 (IUPC), Team: CoU\_LastShot

12th - Intra CoU Programming Contest 2020, Team: CoU\_3\_Dimension

17th - Britannia University Inter University Programming Contest 2020(IUPC), Team: CoU\_3\_Dimension

29th - CoU CSE Fiesta 2018 - Inter University Programming Contest (IUPC), Team: CoU\_3\_Dimension

33th - Independent University INWED\_TECHFEST 2019(IUPC), Team: CoU\_3\_Dimension

45th - Tech Carnival 1.0, CUET - 2021 (Regional), Team: CoU\_3\_Dimension

## **SKILLS**

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### **Programming Languages**

C, C++, Java, Python, PHP,  
MySQL.

### **Web Technologies**

HTML,CSS,JavaScript, Vue.js

### **Programming**

DSA, Algorithms, OOP.

### **REST API**