

# SADIA HOSSAIN

Mirpur, Dhaka-1216

📞 +88-01910907369 📩 [hossainsadia2000@gmail.com](mailto:hossainsadia2000@gmail.com) 💬 [linkedin.com/in/sadiahossainju](https://linkedin.com/in/sadiahossainju) 🐾 [github.com/Sa-dia](https://github.com/Sa-dia)

## EDUCATION

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### Jahangirnagar University

Bsc in Computer Science and Engineering

CGPA: 3.83/4.00

Mar 2020– Jul 2025

## PROBLEM SOLVING ACTIVITIES

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- [Codeforces](#)- Max Rating **1318** ,Pupil, Solve 500+ problems
- [Codechef](#)- Max Rating **1417**,3\* Coder, Solve 300+ problems
- [Leetcode](#)-Solve 50+ problems • [UVA](#)-Solve 70+ problems • [AtCoder](#)-Solve 50+ problems

## CERTIFICATIONS

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- **Introduction to Software testing**— [Simplilearn](#)- [Completed](#) Nov 2025  
*Outcomes:* Learned fundamentals of manual testing, SDLC/STLC, test case writing, defect lifecycle, and basic testing techniques (black-box, functional testing).
- **Automation Testing Basics**— [Simplilearn](#)- [Completed](#) Nov 2025  
*Outcomes:* Understood automation workflow, writing simple automated scripts, and introduction to frameworks.
- **Introduction to JMeter**— [Simplilearn](#)- [Completed](#) Nov 2025  
*Outcomes:* Understood JMeter workflow.

## SKILLS

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**Programming Language :** C, Python, C++, Java.

**Web development:** HTML, CSS, JavaScript, Django, Tailwind CSS.

**Frameworks:** React.js, Tailwind, Node.js, Django.

**Databases:** SQL, MySQL, Firebase, MongoDB.

**Version Control Systems:** Git and GitHub.

**Project Management Tools:** Slack, Trello, Jira.

**SQA tools:** Jest, Mocha, JUnit, Cucumber, Playwright, Postman.

## PROJECTS

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### [Event-Registration](#) —*React.js, Django* 2023

- Built an event registration system supporting 100+ participants, enabling real-time updates of registered and pending members.
- Implemented secure email verification, reducing fake or duplicate registrations.
- Developed full CRUD operations, significantly improving event management efficiency.

### [Online Voting App](#) —*Android, Java, Firebase* 2024

- Designed a secure mobile voting app handling 50+ concurrent voters with Firebase authentication.
- Enabled real-time statistical results, improving decision-making speed by 50%.

### [ClassRoutine](#) —*React.js, Node.js, MySQL* 2024

- Developed a dynamic routine management system website following **Agile** methodology and **SDLC**.
- Team collaboration done with **Trello** and communicated via Discord.

### [Used JSdoc for documentation, Mocha for Unit testing and GitHub Actions for Continuous Integration testing.](#)

### [IoT based Solar Powered Street Lighting System](#) —*C++, Blynk* 2025

- Developed a system for Automatic Light Intensity adjustment powered by solar energy.
- Included Remote Control via (**Blynk**) App.

## RESEARCH WORK

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- *Disease Detection of Vegetables from Feature Words and Application of Deep Learning - Paper*