

# SADIA HOSSAIN

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## EDUCATION

### Jahangirnagar University

Bsc in Computer Science and Engineering

CGPA: 3.83/4.00

Mar 2020– Jul 2025

## PROBLEM SOLVING ACTIVITIES

- [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

- **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 tom JMeter**— [Simplilearn](#)- **Completed** **Nov 2025**  
*Outcomes:* Understood JMeter workflow.

## SKILLS

**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

[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

- *Disease Detection of Vegetables from Feature Words and Application of Deep Learning* - [Paper](#)