

# Md Sadman Hafiz

SWE Undergrad || Data Science Research Assistant || ML / DL Enthusiast

✉ hafiz.sust333@gmail.com ☎ 01708075832 🌐 hafiz-sustswe.github.io [in](#) Sadman Hafiz  
📄 R<sup>6</sup> Sadman Hafiz 🖥️ AMIR Lab Profile 👤 hafiz-sustswe 📍 Brahman Para, Cumilla

## EDUCATION

### B. Sc. (Engg.) in Software Engineering

Shahjalal University of Science and Technology,  
Sylhet, Bangladesh

January 2019 - Present

CGPA: 3.73

## PROBLEM SOLVING

- Solved 600+ problems in Codeforces  
Handle : [SadmanHafiz](#)
- Solved 100+ problems in LeetCode  
Handle: [SadmanHafiz](#)
- Solved 100+ problems in Other OJ's  
StopStalk Handle : [Hafiz333](#)

## PROJECTS

### IICT Construction Site Raw Material Management System

[GitHub](#)

- Implemented role-based access for various user roles using NodeJS, ExpressJS, and MySQL.

### EasyCity(DU Code Samurai) [GitHub](#).

- Contribution: Role based authentication and authorization in ReactJS, Requirement analysis, Figma design , and presentation.

### Android App REACH-Hire As You Desire [GitHub](#)

- Developed an Android application for part-time job hiring using Android Studio, Java, and Firebase.

### Full Stack TO-DO Application [GitHub](#)

- Developed the frontend using HTML, CSS, and JavaScript and the backend using NodeJS and PostgreSQL.

### BattleSpace 1.0.1 [GitHub](#)

- A Space Shooting Game Project For OOP Made With Libgdx Framework of JAVA

### The DXBall 1.0.1 [GitHub](#)

- Developed a brick-breaking game using C++ and the 'graphics.h' library.

## TECHNICAL SKILLS

**Programming Languages:** C/C++, Java, Python, JavaScript

**Backend Development:** NodeJS, ExpressJS, MySQL, Firebase, Hadoop

**Frontend:** HTML, CSS, ReactJS

**DevOps and Testing:** Git/GitHub, Docker, JUnit, Selenium

**DL/ML:** Numpy, Pandas, Matplotlib, TensorFlow, PyTorch, OpenCV, Anaconda, Jupyter Notebook

**Other Tools:** Android Studio (Java), Latex, Matlab, Figma

## WORK EXPERIENCE

### Data Science Research Assistant(Part-Time,Remote)

[Advanced Machine Intelligence Research Lab](#)

October 2023 - Present

#### Publications:

- Co-authored "Age-stratified tea leaf quality classification dataset", Published on Data in Brief (Elsevier, Q2, Open Access) [DOI](#).
- Co-authored "Recent Advancements and Challenges of Deep Learning Data Augmentation Techniques in Medical Imaging: A State-of-the-Art Review", Published on Healthcare Analytics (Elsevier, Q2, Open Access).[DOI](#)
- Involved in four more research projects focusing on machine learning and deep learning applications.

### Campus Manager(Part-Time, On-Site)

[University Innovation Hub Program, SUST](#)

Jan 2024 - Present

- Coordinating weekly training sessions for multiple cohorts of 50 students each.
- Organized four events with approximately 100 guests each. [Featured News](#).

## ACHIEVEMENTS

- 3rd position at Innovation Cohort 1, SUST Innovation Hub for startup idea 'InterviewMate', secured 50,000 taka in pre-seed funding. [Featured News](#).
- Special Category Prize at Innovation Project Showcasing Fair, SUST, 2024.
- Qualified for the 2nd round at DU Code Samurai, 2024 among 410+ teams.
- 4th on OnCampus and Participated in the HULT Prize Regional Summit, Melbourne, 2022. for our Android Project - REACH. [Certificate Link](#).
- 10th at BDApps National Hackathon, Sylhet Region,2022
- 1st Position at Inter-University Physics Olympiad, 2020.

## SOFTSKILLS

Leadership,Communication,Problem-solving,Teamwork,Organizational Skills,Teaching.

## VOLUNTEERING

- Data Annotator at Search Engine Pipilika(2022)
- Student Volunteer at SUST Admission(2022)
- SUST SWE Technovent, 2023