

# SARWAR HOSEN

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 Sarwar Hosen |  Sarwar Hosen |

Dhaka, Bangladesh

## SUMMARY

A dedicated Computer Science and Engineering student with programming skills in C, Java, and JavaScript. I am passionate about learning and exploring new technologies to improve my problem-solving abilities. Currently working on a thesis project titled Pest Detection and Prevention Using YOLOv12. I aspire to build a career in the software industry as a software engineer, maintaining a consistent and disciplined approach to achieving my daily goals.

## EDUCATION

- **Green University of Bangladesh** February 2022 - Present  
*B.Sc. in Computer Science and Engineering*
- **Omargani M.E.S. College** 2018 - 2020  
*Higher Secondary Certificate*
  - GPA: (4.83/5.00)
- **Bamon Sundor F.A High School** 2012 - 2017  
*Secondary School Certificate*
  - GPA: (4.45/5.00)

## PROJECTS

- **SafeGuard — An Emergency Response and Assistance System** 2024 - 2025  
*Tools: GPS, Artificial Intelligence, Cross-Platform Mobile Development.*

## RESEARCH EXPERIENCE

T=THESIS, P=PAPER

- [T.1] **Pest Detection and Prevention for Agricultural Crops Using YOLOv8 Algorithm.** (Undergraduate Thesis - Ongoing)  
*Conducted research on real-time pest detection using the YOLOv8 object detection algorithm. Utilized the CCMT dataset and aimed to improve early pest identification and crop productivity.*
- [P.1] **House Price Prediction Using Machine Learning.** (Manuscript in preparation for submission to a peer-reviewed conference.)  
*Developed a regression-based machine learning model for predicting house prices based on key factors such as location, area, and amenities, achieving reliable predictive performance.*

## SKILLS

- **Programming Languages:** C, Java, JavaScript
- **Web Technologies:** HTML, CSS
- **Database Systems:** MySQL
- **Other Tools & Technologies:** Microsoft Office (Excel), Git, LaTeX, AutoCAD

## HONORS AND AWARDS

- **5th Position – SafeGuard: Emergency Response System** September 2025  
*Green University of Bangladesh*
  - Achieved 5th position among the top ten projects in the university for innovation in real-time emergency response and assistance technology.

## REFERENCES

1. **Md. Atikuzzaman**  
Lecturer, Dept. of Computer Science and Engineering  
Organization/Green University of Bangladesh  
Email: atik@cse.green.edu.bd  
Relationship: Thesis Co-Supervisor