

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

- Md. Atikuzzaman**
Lecturer, Dept. of Computer Science and Engineering
Organization/Green University of Bangladesh
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Relationship: Thesis Co-Supervisor