Md. Ashraful Hasan

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Profile Summary

Highly skilled and motivated B.Sc. student in Computer Science and Engineering, proficient in various programming languages and technical tools. Experienced in developing innovative projects in Artificial Intelligence, Machine Learning, and WebApp. Strong interest in Data Science, Cyber Security, Web development, Automation, and AI, demonstrated through projects and research papers. Eager to leverage my expertise in creating cutting-edge solutions and contributing to advancements in the field. Active participant in extracurricular activities, fostering a well-rounded approach to personal and professional development.

EDUCATIONAL QUALIFICATION

- B.Sc in CSE | East West University, Dhaka 82% marks (January 06, 2019 – Present)
- HSC | Mirpur Cantonment Public School & College, Dhaka GPA: 4.67 | 2018
- SSC | Sher-e Bangla Nagar Govt. Boys High School, Dhaka GPA: 5.00 | 2016

TECHNICAL SKILL QUALIFICATION

Programming Language	**:** Python, C, HTML, Java, JavaScript, SQL,PHP.
Software	**:** Adobe Photoshop, AutoCAD,MATLAB.
Operating System	**:** Windows, Ubuntu, Linux.
Office Tools	**:** MS Word, MS Excel, MS PowerPoint.

PROJECTS

- **Bangladeshi Road Sign Detection Using Deep Learning Technique for Driver Assistance System:** Developed a traffic sign detection system that will also provide Bangla voice using deep learning. Computer vision techniques and machine learning models were used to extract traffic signs from images accurately. Build an app for it.
- **House price prediction using different algorithms:** The Project applies a few classification algorithms on a random dataset and seeks the performance of the model using 5 classification algorithms for my dataset. My goal was to find the accuracy for the expected and predicted value of the data set and then cross-validate to choose the best test data that would give the best result.
- **Detection of Cardiovascular Disease using Extreme Learning Machines and Artificial Neural Networks:** The project's goal was to provide insight into the early-stage prediction of cardiac disease(s), and as a result, a comparison of multiple ML algorithms was made to achieve this goal. To predict the disease, we used six different machine-learning algorithms. To test the resilience of several machine learning algorithms (LR, NB, SVM DT, RF, KNN), the 10-fold cross-validation approach was used.

RESEARCH PAPERS

- Detection of Cardiovascular Disease using Extreme Learning Machine and Artificial Neural Network. (ICO-2023)
- Temperature and Humidity Optimization of Smart Greenhouses: Comparison Between Simulated Annealing and Genetic Algorithm. (ICO-2023)
- Power Consumption Measurements of East West Universities Data Center. (Ongoing)
- Bangladeshi Road Sign Detection Using Deep Learning Techniques for Driver Assistance Systems. (Ongoing)

EXTRA CURRICULAR ACTIVITIES

- Sergeant Cadet Ambassador at Youth Exchange Program, India-2017.
- Event Management.