SADIA SULTANA

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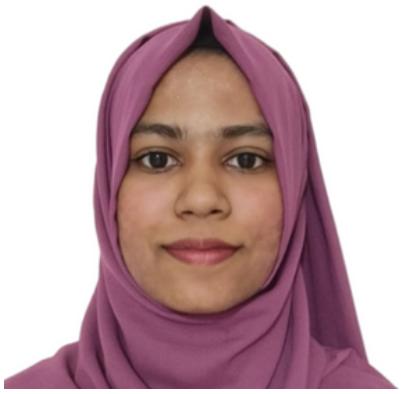

Objective

Highly motivated professional with a strong theoretical foundation and hands-on experience in data analysis, algorithm design, and model development. Skilled in multiple programming languages, algorithms, and database management. Excellent team player with strong problem-solving skills. Committed to continuous learning and staying up-to-date with emerging technologies.

Profile

As a Computer Science and Engineering final-year student, I've nurtured a lifelong passion for research in Science and Technology. I aim to engage in research particularly in cyber security and data analysis, gain practical experience, and explore opportunities for future academic growth.

Education	Year
Bachelor of Science in Computer Science and Engineering | BSCSE NORTH SOUTH UNIVERSITY BASHUNDHARA, DHAKA CGPA: 3.64	2019-Present
Higher Secondary School Certificate | HSC MILESTONE COLLEGE GPA: 5.00	2016-2018
Secondary School Certificate | SSC JANATA ADARSHA BIDYAPITH GPA: 5.00	2010-2016

Work Experience	Year
Teacher's Assistant NORTH SOUTH UNIVERSITY Department of Mathematics & Physics	2023-Present

Responsibilities: Invaluable support to students through one-on-one assistance, grade assignments and assist with exam proctoring

Publication

Title: Advancing recidivism prediction for male juvenile offenders: A machine learning approach applied to prisoners in Hunan Province
Name of the Publication Authors: Sadia Sultana, Israka Jahir, Mabeean Suukyi, Md. Mohibur Rahman Nabil, Afsara Waziha, and Sifat Momen
Conference: 7th Computational Methods in Systems and Software 2023(Springer)
Status: Accepted
Description: This study uses machine learning approach to forecast the likelihood of recidivism among male juvenile offenders. The dataset uti□lized in this study is the Structured Assessment of Violence Risk in Youth (SAVRY) dataset, which was obtained from Hunan Province, China. After conducting a meticulous examination, a variety of machine learning algorithms were evaluated, including Random Forest, Gradient Boosting, K-Nearest Neighbors (KNN), and Support Vector Machine (SVM).

Skills

Programming Languages : Python, Java, C++, JavaScript
Web Development : HTML, CSS
Database Management : MySQL
Data Analysis and Visualization : Pandas, NumPy, Matplotlib
Machine Learning and AI : TensorFlow, PyTorch, scikit-learn,Jupyter Notebook
Presentation and Documentation Tools: Microsoft PowerPoint, Microsoft Excel, Microsoft Word, Canva, Figma
Version Control Tools : Git, GitHub
Interpersonal Skills : Strong communication skills to collaborate effectively with cross-functional teams, express ideas clearly, and facilitate discussions, proficient in identifying and analyzing problems, proposing innovative solutions, and implementing effective strategies to address project challenges, strong organizational skills to prioritize tasks

Interest

I have a strong passion for user interface design and enjoy creating visually appealing and user-friendly digital interfaces.

Reference

Dr. Sifat Momen
Associate Professor, Department of Electrical & Computer Engineering
North South University, Dhaka, Bangladesh
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