Hi, I'm Safwan!

I am a Bangladeshi high school graduate from WLFSC and a CompSci sophomore at Southern Miss with minor in Psychology. Awarded Valedictorian for the class of '22 at WLFSC and recognized on the Dean List for two consecutive semesters at Southern Miss. Joined the Experimental Health Psychology Lab led by Dr. Tammy Greer to contribute a computer science perspective to interdisciplinary research exploring the intersection of mental health and emerging technologies. I am particularly interested in Computational Psychology w/ focus on applying Machine Learning and Artificial Intelligence to understand and model human cognition using neuro-imaging data like EEG, fMRI, etc. Driven by the thought that one can solve any problem of the universe using ML / DL, as long as one can convert it into numbers (tensors) and find a pattern. I feel most satisfied when I take a strong voice from my brain and make it into something tangible. I love to make changes.

Skills

🐍 Python & ML

PyTorch, Scikit-learn, NumPy, Pandas

</> C / C++

Data Structures & Algorithms

🗄 Database

MySQL, Database Design

JS Web Development

HTML5, CSS3, JavaScript

🛠 Tools & IDE

Git, VSCode, Jupyter, PyCharm

📊 Data Visualization

Matplotlib, Seaborn

Projects

AVL Student Database

DSA307 Course | Oct 2025

- Developed a student database system that uses an AVL tree to store and manage records efficiently.

- Achieved optimal performance with O(log n) time complexity for insertion, deletion, search, etc.

Alumni Networking Platform (V1.0)

ITC371 Course | Nov 2024

- A project that outlines the comprehensive plan for Alumni Networking Platform.

- Serves as the formal final version for planning and execution, providing a detailed structure to manage, monitor, and deliver project objectives.

Recommendations

> Safwan demonstrates exceptional analytical thinking and quickly adapts to new technologies. His approach to computational problem-solving is both innovative and methodical.

- Academic Advisor

> A dedicated researcher with strong interdisciplinary skills. Effectively bridges computer science concepts with psychological research methodologies.

- Research Supervisor

> Combines technical expertise with creative thinking. Shows great potential in applying ML/AI to complex cognitive modeling challenges.

- Project Evaluator

Leave a Recommendation

Name (Optional)

Your recommendation message...

✈ **Submit Recommendation**