Md Younus Ahamed

github.com/shuvo14051 linkedin.com/in/ahamed14051 (681)285 4371 ma00087@mix.wvu.edu

Education

West Virginia University Aug. 2021 – Present
Ph.D. Computer Science *CGPA 3.81/4.0*

Mawlana Bhashani Science and Technology University Nov. 2019
B.Sc. Information and Communication Technology *CGPA 3.67/4.0*

Skills

Languages: Python, JavaScript, HTML/CSS, Java, C, SQL
Libraries: NumPy, Pandas, Matplotlib, Seaborn
Frameworks: scikit-learn, Keras, TensorFlow, PyTorch, Django, React, Bootstrap

Publication

Machine Learning-Driven Temporal Subphenotypes Of Early Sepsis Aug. 2023
At the Critical Care Congress 2024 in Phoenix, Arizona, I presented my abstract on analyzing the MIMIC-IV database to uncover temporal sub-phenotypes of Sepsis disease. Employing a combination of LSTM-based autoencoder and K-means Clustering techniques, distinct patterns were identified, heralding potential breakthroughs in refining Sepsis diagnosis and tailoring personalized treatment strategies. *DOI*: 10.1097/01.ccm.0001003892.23541.74

Projects

Satellite and Debris Detection: YOLO-v8 | *Python, YOLO* Apr. 2023
- The dataset comprised 11 classes, including ten satellites and one category for debris.
- The model accurately forecasted the bounding box coordinates.
- Predicted the class labels with high confidence scores as well.

Comparative Study on Alzheimer Classification | *ANN, CNN, ResNet50, Inception-v3, TensorFlow* Oct. 2022
- There were approximately 3,600 MRI images of four distinct types.
- Data augmentation was employed due to insufficient data.
- Each model could efficiently classify four distinct types of Alzheimer's.

Twitter Sentiment Analysis on Autonomous Vehicles | *Python, TensorFlow, BERT, SVM* Nov. 2021
- Performed sentiment analysis on Twitter data.
- Compare the outcomes of SVM and BERT models.

Work Experience

Graduate Teaching Assistant | *Java, HTML/CSS, JavaScript, React* Aug. 2021 – Present
As a Graduate Teaching Assistant, my role encompasses creating course content, crafting problem sets, delivering lectures, and guiding students as they work through challenges. I have taught the following courses.

- CS 110 - Introduction to Computer Science (Lab)
- CS 111 - Introduction to Data Structures (Lab)
- CS 230 - Intro to Software Engineering (Lab)

Problem Solving

- **LeetCode:** leetcode.com/shuvostp/
- **HackerRank:** hackerrank.com/profile/shuvo14051
- **Code Forces:** codeforces.com/profile/shuvostp
- **Beecrowd:** judge.beecrowd.com/en/profile/463012