KAIF AHMED R

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EDUCATION

Bachelors of Technology in Computer Science and Engineering - Artificial intelligence Oct 2021 – Present
Amrita Vishwa Vidyapeetham, GPA: 8.54 Chennai, TN

Higher Secondary Jun 2019 – May 2021
Sri Chaitanya Techno School, GPA: 8.96 Chennai, TN

EXPERIENCE

Machine Learning Intern Apr 2024 – May 2024
Prodigy Infotech Chennai, TN

- Completed 5 projects encompassing machine learning models, including regression, segmentation, clustering, CNN, and RNN.
- Achieved accuracy exceeding 90% through data pre-processing, rigorous model training, and effective evaluation.

PROJECTS

Deep-learning Models to Classify Allen Telescope Data Nov 2022 – Jan 2023
Amrita Vishwa Vidyapeetham Chennai, TN

- Extracted raw data from SETI, transforming signals into visual spectrograms.
- Employed various CNNs, ensemble models and classifiers to enhance image classification accuracy for 8 distinct signal types.
- Achieved 91.44 % accuracy, comparing hybrid model performance with previous models, and identified key improvements.

Drug Cardiotoxicity Analysis By Utilising Graph Neural Networks Sep 2022 – Oct 2022
Amrita Vishwa Vidyapeetham Chennai, TN

- Developed a Graph Neural Network for the cardiotox dataset and built GraphTensors for each data point in the dataset.
- Implemented various architectures to select the best model with a validation accuracy of 90.60 %.

Alzheimer's Detection using Deep Neural Networks Mar 2022 – May 2022
Amrita Vishwa Vidyapeetham Chennai, TN

- Executed three deep learning models (2-CNN and 1-RNN) and 1-SVM Classifier, achieving 93.22% accuracy in classifying different stages of Alzheimer's (Mild Demented, Moderate Demented, Non Demented, Very Mild Demented).

PUBLICATIONS

Sentiment-Driven Predictive Models for Nifty 50 Stock Market Fluctuations Aug 2024
2024 IEEE International Conference on Information Technology, Electronics and Intelligent Communication Systems (ICITEICS), Bangalore, India, 2024, pp. 1-8, DOI: 10.1109/ICITEICS61368.2024.10625537.

Generalized Deep-learning Models to Classify Allen Telescope Data Nov 2023
S. S et al., 14th International Conference on Computing Communication and Networking Technologies (ICCCNT), Delhi, India, 2023, pp. 1-6, DOI: 10.1109/ICCCNT56998.2023.10306700

COURSES and CERTIFICATIONS

- AWS Cloud Practitioner Essentials – *Amazon* Apr 2024 – May 2024
- Amazon ML Summer School 2023 – *Amazon* Sep 2023 – Oct 2023
- People and Soft Skills for Professional and Personal Success – *Coursera* Sep 2023 – Oct 2023
- Managing Emotions in Times of Uncertainty & Stress – *Coursera* Aug 2023 – Sep 2023
- Microsoft Machine Learning Challenge – *Microsoft Learn* Jul 2023 – Aug 2023

SKILLS

- Machine Learning, Deep Learning, Speech Recognition, Natural Language Processing
- **Programming:** Python, Java, C, C++, MATLAB, SQL
- **Software:** Fusion360, Flutter, Arduino, Figma, Git, GitHub

VOLUNTEER EXPERIENCE

Event Organiser - AMCFOSS Dec 2022 – Present
Amrita Vishwa Vidyapeetham Chennai, TN

- Orchestrated 10 events, increasing attendance by 40% through effective communication strategies.
- Incorporated post-event feedback for ongoing process enhancements, ensuring consistent quality.
- Mentored effectively, leading to a 50% surge in successful mentee events.

School People Leader Oct 2018 – Apr 2019
Narayana e-Techno School Chennai, TN

- Organized 10+ initiatives as School People Leader, fostering a 15% increase in overall student engagement.
- Spearheaded morale-boosting programs, resulting in a 20 % increase in active student participation.
- Promoted engagement in 4 extracurricular activities, contributing to a vibrant school culture.
- Cultivated teamwork, communication, and camaraderie, resulting in increase of collaborative projects among peers.
- Collaborated with 20+ faculty and students, ensuring a cohesive learning environment.