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SHIVAM MISHRA

CAREER OBJECTIVE

To obtain a challenging position in a vibrant organization that will allow me to put my abilities and knowledge from my degree to use while also acquiring practical experience. Seeking possibilities for advancement in a friendly and collaborative atmosphere that promotes professional development. Committed to contributing to the company's success and to learning and adapting to new challenges.

EDUCATION

Vellore Institute of Technology
M.TECH in Computer Science and Engineering (specialization in AI/ML)
2022 – Present (GPA - 8.22/10)

A.K.T.U.
B.Tech
2015 – 2019

SKILLS

Programming Languages:
Python, C++, SQL, MongoDB, PowerBI, Java
(Python Libraries: Numpy, Pandas, Tensorflow)

Artificial Intelligence/Machine Learning:
Regression, Classification, Clustering, Neural Networks, Transfer Learning, Image Classification.

Soft Skills:
Adaptability, Teamwork, Inquisitive Mindset, Time Management

CERTIFICATIONS

- TechBrain Machine Learning using Python Program(June 2023-Oct 2023)
- GeeksforGeeks Machine Learning & Data Science (6 months)
- Pursuing Artificial Intelligence Course from Masai School.

RELEVANT PROJECTS

Transforming Images Into Text | Encode-Decode, CNN, RNN, LSTM
(January 2023 - April 2023)

The aim of this project is to engineer an Image Captioning System using CNNs and RNNs enhanced state-of-the-art architectures.

- Leveraged TensorFlow with InceptionV3 for model efficiency achieved a 20% increase through TL.
- Integrated Attention Mechanisms, focusing model on pertinent image areas, lifting BLEU score by 15%.

Prediction of Concrete Compressive Strength using Machine Learning
(June 2023 - Dec 2023)

- This project study different algorithm of machine learning to predict the compressive strength of concrete and compare the accuracy of these algorithm.
- For this purpose, a dataset of 1000 data are used from existing dataset. The input parameters are cement, fly ash, water, fine aggregate, and coarse aggregate, superplastic and output is compressive strength. Performance matrix are evaluated R2, MAE, MSE, RMSE, RMAE, Accuracy
- The Among all the algorithms XGBoost algorithm are most accurate and R2 value for this is 0.88 which is highest as compare to other algorithms.

Crack Detection in Concrete Walls Using Transfer Learning Techniques
(Jan 2024 - May 2024)

- Using the concrete crack picture dataset, the classification performance of convolutional neural network designs, including ResNet 50, VGG16 is compared with one another.