KISHORE KUMAR R

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EDUCATION

M.Sc Artificial Intelligence and Machine Learning, Coimbatore Institute of Technology July 2019 - Present
CGPA: 9.28 (Till Sem 7)

HSC, Suguna RIP V School June 2018 - March 2019
Percentage: 88%

SKILLS

Programming Languages	Intermediate - C, Python. Beginner - Java, R, MATLAB
Database	MySQL, PostgreSQL, MongoDB, ChromaDB
Frameworks	Scikit-Learn, TensorFlow, LangChain, RiverML, OpenCV, Flask

EXPERIENCE

Project Trainee July 2022 - Dec 2022
Bosch Global Software *Coimbatore, India*

- Created a centralized database and developed an analytics dashboard to view the relationship between data
- Developed an Incremental Machine Learning tool for analyzing and identifying errors present in log files
- Explored Zero-Shot Learning, Incremental Learning, Topic Modelling, and PreTrained NLP algorithms

AI and DS Intern Oct 2021 - Nov 2021
SeaportAI *Chennai, India*

- Automated ML models using VertexAI workbench
- Compared various Outlier detection algorithms and packages

PROJECTS

Resume-Job Matching Tool. Built a tool that matches a resume to a job description using LangChain, ChromaDB, and LLM (OpenAI GPT-3.5). Uses the latest techniques involving LLMs to extract the required and relevant content from a resume that matches the job description. GitHub

ASL Sign Prediction. Built a CNN model which predicts the shown ASL (American Sign Language) sign. Used the Sign Language MNIST dataset to train and evaluate the model to get 95% accuracy. Made a utility program with OpenCV to capture the user's sign and show the predicted output. GitHub

CNN For Sentiment Analysis. Applied and measured CNN's performance on Textual data by using Glove Embedding for creating word vectors. Conv1D and Maxpooling1D are used to extract the features and build the model, which produced 83% accuracy. GitHub

ACHIEVEMENTS

- Published our project "Personality Prediction Based on Twitter Tweets" as a paper in Springer Book series, "Algorithms for Intelligent Systems"
- Presented our project "Enhancing Intrusion Detection Systems using Optimization approaches" at ASIT 2023 conference

OTHER WORKS

Freelanced and developed several projects at Upwork.
Contributed to Open Source projects and developed a fine-tuned HuggingFace Transformer model, CryptoBERT.
Was part of the organizing team for the Open Expo at Melinia 2023 and guided teams to develop their projects.