



Department of Computer Science and Engineering (Data Science)

Academic Year 2023-24

Sr. No	Major Project Title
1	Enhancing Summary Generation in Large Language Models (LLMs) by Mitigating Hallucinations Through Retrieval Systems: A Legal Text Summarization Study
2	Enhanced Audio Deepfake Detection Framework with Noise Removal and Adversarial Detection
3	Morphogenesis of Images using Neural Cellular Automata
4	Radiology Report Generation of MRI scans for Brain Protect
5	Recommendation System for YouTube titles and thumbnails
6	Leveraging Automated Metadata Generation and Lexical Search to Enhance RAG Performance on Enterprise Data
7	Improving Face Frontalization Performance with TP-GAN Optimization
8	Multimodality for Emotion Recognition using EEG and Eye-movement Data
9	Causal mapping for region-based Air Quality Index prediction
10	Predictive Analytics for Mental Health: A preventive approach for Mental Illness
11	AgroLogic: Optimisation of Crop Prediction using Causal Inference
12	EcoSense: Geospatial Analytics and Real-Time Vegetation and Urban Monitoring utilising Satellite Imagery through custom vegetation index
13	Optimizing Reinforcement Learning with Academic Learning Flow
14	Secure Text to SQL by Entity Replacement Using NER Tagging
15	Adaptive and Multiclass Portfolio Optimization System
16	SynthFin: Your Personal Fund Manager
17	SongSaga: A Recommender System with Sequence Analysis
18	Tulsi Leaf Disease Prediction
19	Demand Forecasting for Optimal Inventory Management using MCDM Algorithm
20	Personalized Recipe Recommendation using LLM
21	Story Weaver: Interactive Storytelling with Visual Illustration