



Department of Computer Science and Engineering (Data Science)
Academic Year 2025-26

Sr.No.	Major Project Title
1	AI Fairness and Real-Time Safety Monitoring Platform
2	Multi agent financial fraud detection and forensic system
3	AgroSpectra: AI Powered Crop Health and Pest Risk Monitoring
4	SmartAid: A Near Real-time Satellite Driven Disaster Response & Supply Chain System
5	A Multi-Agent Reinforcement Learning Framework for Coordinated Inventory Management in Supply Chains
6	Smartroad: AI powered condition monitoring system for Road infrastructure
7	AI Driven Temporal Analysis and Hotspot detection of Marine debris using Satellite Imagery
8	Argus-A debate Native Multi agent AI architecture for Accelerating Scientific Discovery
9	Dual Axis Solar Irrigation System
10	A Lightweight Anomaly Driven Network for Robust Detection of Planar Metal Surface Defects
11	Adversarial Evasion and Robustness Analysis of Person Re-Identification Systems in Multi-Camera Surveillance Networks
12	Hybrid Agent for proactive Financial decision support for everyday citizens using RL and RAG
13	Hierarchical Latent Diffusion Framework for Sound Generation
14	Adaptive Maze Generation using Adversarial RL
15	Learning Market Relationships: A Graph Neural Network Approach to Reinforcement Learning-Based Asset Allocation
16	Risk-Sensitive Portfolio Management with Multi-Agent Reinforcement Learning for Portfolio Optimization
17	Intelligent asset allocation: AI based framework for personalized wealth management.
18	A Novel Data Augmentation Technique to Improve Automatic Speech Recognition for Dysarthric Speech
19	RAG based legal assistance
20	Multi-Agent for Tax optimized Profile Management
21	A framework for Autonomous Price Optimization using Deep Reinforcement Learning
22	A multiscale factorized framework for efficient aerial image segmentation
23	Intelligent Framework for Talent-Opportunity Matching

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24	Quantum Unet with Uncertainty Map for Brain Tumour Tissues Segmentation
25	A Hybtid AES-QRNG Encryption framework
26	Conversational Query Engine with GNN-Based Schema Ranking
27	Biomarker Detection from Protein Microarrays
28	Enhancing Physical Database Design with LLM models and Benchmark-Driven Approach
29	A Hybrid AI driven Framework for Automated detection and remediance of web application Vulnerabilities.
30	AI based video Interpolation on Mosdac Data
31	AI Driven Marketplace for Industrial Circular Economy
32	Meta Learning hyperparameters for few tabular tasks
33	EAGLE:Enhancing Agentic GUI Automation with VLMs
34	AI Driven Solution for CRE/Real Estate ESG Complainece and Geospatial Strategy
35	Fake news propogation detection using graph attendtion network
36	Bioacoustic localisation (A module for Raven)
37	Cognitive Memory-Augmented Voice Agent for Context-Aware, Interruption-Resilient, and Adaptive Business Conversations
38	ProctorAI - Automated Online Exam Proctoring System
39	Multimodal Parkinson's Disease Detection
40	Interactive bird identification & recognition for discovery
41	Polystic kidney disease detection system
42	Reinforcement Learning for Network Security
43	Interpretable GNN-Based Framework for Drug Discovery and Candidate Screening
44	Federated Querying across Heterogeneous Data Sources with Knowledge Graph and LLM Integration
45	Fairscore:Fair and Explainable AI for cedit scoring