Group Number: 01

Group Members Name: Vrushabh Jain

Topic: AI Financial Dashboard

Mentor Name:

Date: 21/12/25

Project Description: Cognitive Graph Portfolio Optimiser (CGPO)
The Cognitive Graph Portfolio Optimizer (CGPO) is a novel decision-support system designed to enhance financial risk forecasting and portfolio management. It uniquely fuses firm-specific insights from multimodal data specifically earnings call audio and text with a systemic, graph-based view of asset interdependencies. The system utilizes a Reinforcement Learning (RL) agent to analyze these dynamic market structures and provide optimized portfolio rebalancing recommendations.

Tasks Done:

- Reviewed academic papers on "RiskLabs" and Large Language Models in Finance.

- Researched Graph Neural Network (GNN) architectures for systemic risk modeling.

- Refined the problem statement and research objectives.

Data Form Link (Jot form / Google Form): https://cgpo-survey.streamlit.app/