TASK 2

Application Domain	Complex Problem Identified	Justification
Autonomous Vehicles	Ensuring safety and reliability in complex traffic scenarios	Autonomous vehicles need to make real-time decisions, integrate sensor data, and handle unpredictable human behaviour to ensure passenger safety
Climate Change Prediction Models	Accurately predicting the effects of climate change	Climate change involves numerous variables and uncertainties, requiring advanced models to integrate diverse data sources and provide reliable predictions for policy-making.
AI in Healthcare Diagnostics	Improving diagnostic accuracy using AI	AI has the potential to revolutionize healthcare by analyzing vast amounts of medical data, but challenges such as data privacy, diverse data types, and reducing false positives/negatives must be addressed to ensure reliable and ethical AI-driven diagnostics.

\