



Use Case- Ethical & Trustworthy AI

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Use Case: Building Trustworthy AI in a Healthcare Setting



Imagine a hospital implementing an AI system to **assist doctors in diagnosing patients**. The goal is to create an AI system that not only accurately **identifies diseases but also ensures patient trust, transparency, and fairness throughout its use.**

Step 1: Developing the AI System



- Data Collection and Transparency
- Training the AI Model
- Interpretability and Explainability

Step 2: Testing and Validation



- Validation with the real cases
- Ethical Review

Step 3: Implementation and User Training



- Rollout plan
- User training and education

Step 4: Ensuring Trust and Fairness



- Monitoring Performance
- Feedback Loop
- Empowering Patients

Step 5: Building Long-Term Trust



- Transparency and accountability
- Public awareness and education
- Adapting to evolving needs

Scenario Question



Scenario: Trustworthy AI in Autonomous Vehicles

Question: How can we ensure that autonomous vehicles make split-second ethical decisions that prioritize passenger safety while also considering the well-being of pedestrians and other road users?