**🚨 1. "WatchDog AI" – Misinformation Detection & Credibility Scoring App**

🕵️ A tool that evaluates news articles, tweets, or posts for factual accuracy using LLMs, cross-verifies claims, and gives a credibility score + highlights potential misinformation or bias.

**🧩 Phase Breakdown**

**🔰 Phase 1: Python Foundation**

**Feature:**  
→ Simple CLI that takes a URL or text input and uses OpenAI to summarize the article.

**🧠 Phase 2: ML Core**

**Feature:**  
→ Train a basic ML classifier (e.g., Logistic Regression or XGBoost) to flag political bias (left, center, right) using labeled news datasets (like AllSides).

**🔬 Phase 3: Deep Learning**

**Feature:**  
→ Build a custom transformer classifier for fake news detection using real datasets (LIAR, Politifact).

**🤖 Phase 4: LLM & LangChain**

**Feature:**  
→ Implement cross-verification:  
LLM extracts key claims → fetches Google results → compares facts → scores each claim’s trust level.

**🎨 Phase 5: Frontend + Full Stack**

**Feature:**  
→ React UI where user pastes a link or tweet, gets:

* Summary
* Credibility score
* Bias meter
* Highlighted claims + real-time sources
* Heatmap visual of trustworthiness

**🚀 Phase 6: MLOps + Deployment**

**Feature:**  
→ Deploy on Hugging Face Spaces or Render  
→ Add API rate limits, logging, traceability  
→ Dashboard for flagged misinformation clusters by region or topic