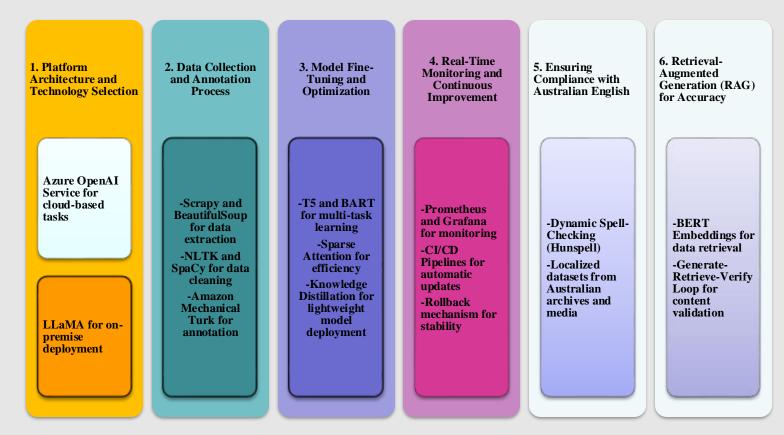
Use AI to transform bureaucratic jargon into plain English: A Holistic Approach to Integrating AI in Government **Document Workflows** Guan, Yongzhen & Josiah Watson 07/09/2024

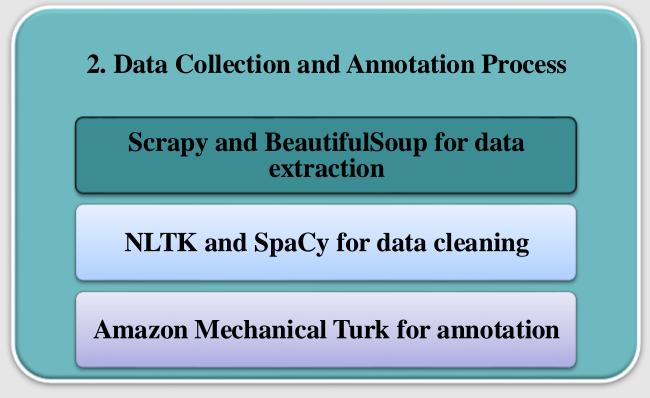


1. Platform Architecture and Technology Selection

Azure OpenAI Service for cloud-based tasks

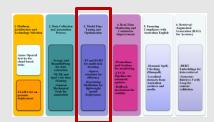
LLaMA for on-premise deployment

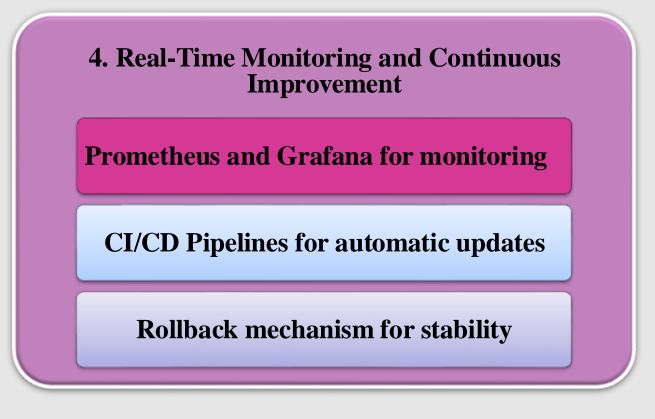






3. Model Fine-Tuning and Optimization T5 and BART for multi-task learning **Sparse Attention for efficiency Knowledge Distillation for lightweight** model deployment







5. Ensuring Compliance with Australian English

Dynamic Spell-Checking (Hunspell)

Localized datasets from Australian archives and media



6. Retrieval-Augmented Generation (RAG) for Accuracy

BERT Embeddings for data retrieval

Generate-Retrieve-Verify Loop for content validation



