

Tackling Fake News Project- Checkpoint 1 Summary Report

Overview:

Our project, Tackling Fake News, is envisioned as a solution to combat misinformation using AI/ML, blockchain, and community voting. The goal is to build a system that verifies the authenticity of news articles using advanced NLP models, stores verified news securely using blockchain, and involves users in the validation process through a voting mechanism.

Current Status:

- ❖ The team is currently focused on conceptualizing the solution and exploring different architectural approaches.
- ❖ We are actively engaged in completing the recommended foundation courses:
 - ✓ AI/ML Foundation
 - ✓ GenAI Foundation
 - ✓ IoT Foundation
 - ✓ Blockchain Foundation
- ❖ We have started by discussing ideas and reading about how others have tried to detect fake news, so we can understand what methods are already being used and what technologies might work for our project.

Challenges Faced:

- ❖ Lack of hands-on experience with integrating AI models and blockchain platforms.
- ❖ Difficulty in selecting the most suitable tools and frameworks without practical exposure.
- ❖ Need for structured mentorship to move from idea to prototype development.

Skillset Support Required:

- ❖ Guidance in designing a modular system architecture for AI + Blockchain integration.
- ❖ Mentorship on applying NLP in fake news detection using tools like BERT/T5.
- ❖ Help with understanding real-world blockchain use cases and implementation basics.

GitHub Repository: