

# Project Ideas

## **Custom Podcast Generator from News Articles**

### *Description:*

Convert daily news articles into engaging spoken content. Build a pipeline where a user selects topics or sources, and the system generates and reads a short podcast script.

## **Spoken Language Learning Assistant**

### *Description:*

Build a voice-based language learning assistant that helps users practice speaking and writing. Optionally track learner progress and adapt question difficulty.

## **AI-Powered Coding Assistant for Developers**

### *Description:*

Build an intelligent coding assistant that helps users write, debug, explain, and optimize code through natural language interaction.

## **AI-Powered Virtual Teaching Assistant for Student Support**

### *Description:*

Design a Virtual Teaching Assistant (VTA) that helps students understand study material, generates mock exams, explains complex concepts, and provides intelligent Q&A.

## **AI Interviewer with Real-Time Feedback**

### *Description:*

Conduct mock interviews and give instant feedback on speech, content, and clarity.

## **Smart Email Assistant with Context Awareness**

### *Description:*

Create a smart assistant for email summarization, classification (spam, urgent, meeting, etc.), and reply generation.

## **Interactive Story Generator with Role-Based Control**

### *Description:*

Design a storytelling system where users can choose roles (e.g., hero, villain, narrator), and the LLM continues the story accordingly.