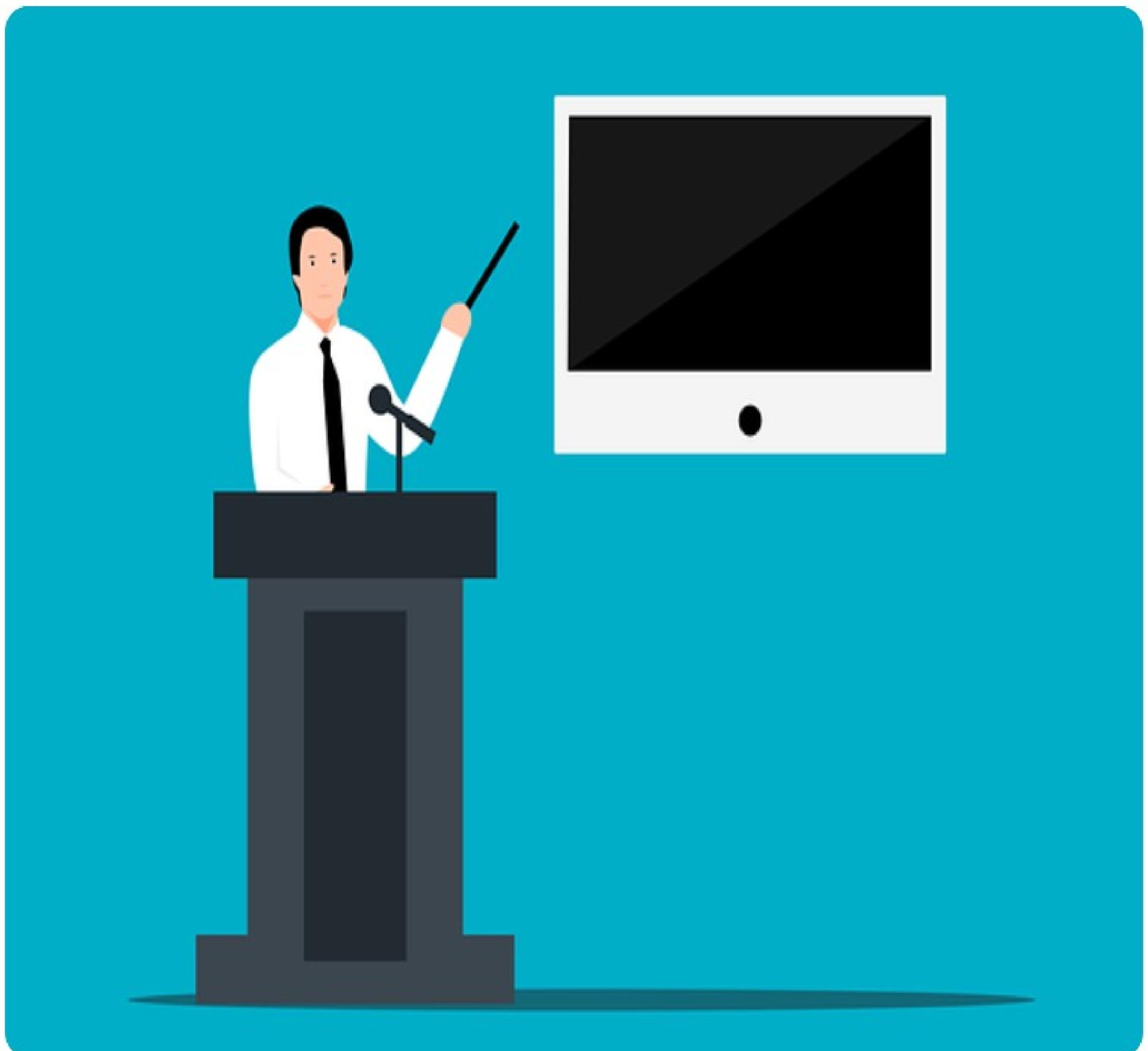


Inspiration

Access to elite executive presence and communication coaching is traditionally reserved for those who can afford expensive private tutors. Growing up in Nigeria, I saw how many brilliant minds are held back simply because they haven't had the opportunity to master formal public speaking. My mission for ConnectPro was to democratize high-level coaching—aligned with SDG 4: Quality Education—by giving every student and professional a world-class 'Coach Marcus' in their pocket.



What it Does

- AI Scripting: Uses Gemini 2.0 Flash to craft powerful scripts with coaching cues.
- Live Practice: Real-time speech tracking with a Hybrid Speech Engine.
- Executive Metrics: Counts filler words and calculates a 'Delivery Score' live.
- Coach Marcus: Provides instant vocal feedback and executive assessments.
- Audience Simulation: Generates real-time audience reactions.

How We Built It

We built a state-of-the-art multimodal architecture on Google Cloud with components like Vertex AI, ElevenLabs Conversational AI Agents, and a containerized Python backend.



Challenges We Ran Into

Achieving 'Zero-Latency' visual feedback was a major challenge. We solved it by using a hybrid system where the browser handles word highlighting while Google Cloud STT manages performance assessment.



Accomplishments

We successfully created a 'Personality-Driven' AI with a Resilient Voice Architecture, ensuring continuous coaching sessions even under poor network conditions.



What We Learned

We discovered that Multimodal AI is transformative for education, providing insights into not just what was said but how it was delivered.



What's Next for ConnectPro

- Implement ElevenLabs Outbound Calling for surprise speaking drills.
- Integrate Datadog for deeper analytics.
- Expand multimodal logic to analyze facial expressions and body language.

