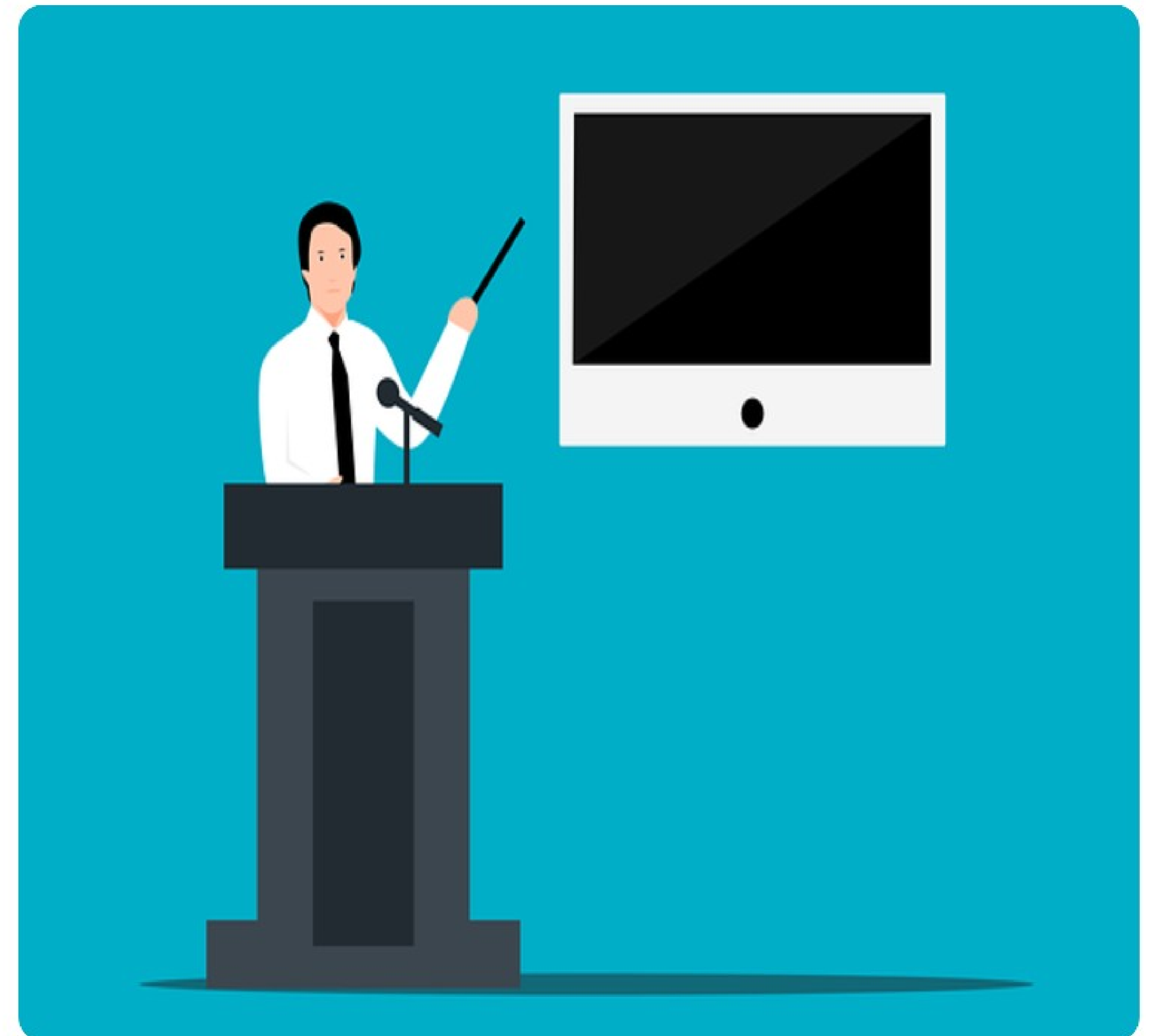


# Inspiration

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.

