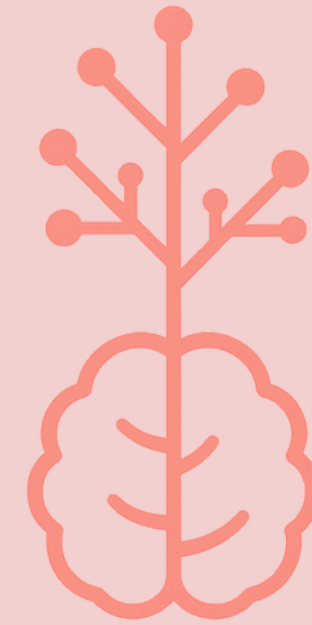


HACKTX 2025

OCTOBER, 19, 2025

BrainBoard



Onik Hoque, Janavi Kolpekwar,
Pranav Krishnan & Adiv Padgilwar



”

“Capture the spark, grow your tree.”

Motivation

At Guadaloop Research, we often lose promising ideas while juggling note-taking during fast, high-energy brainstorming sessions. A voice-activated hub (e.g., Raspberry Pi/Google Home) would transcribe in real time, auto-build a dynamic mind map, and link to relevant papers—letting us stay in the flow instead of losing our train of thought.



Onik Hoque



Janavi Kolpekwar

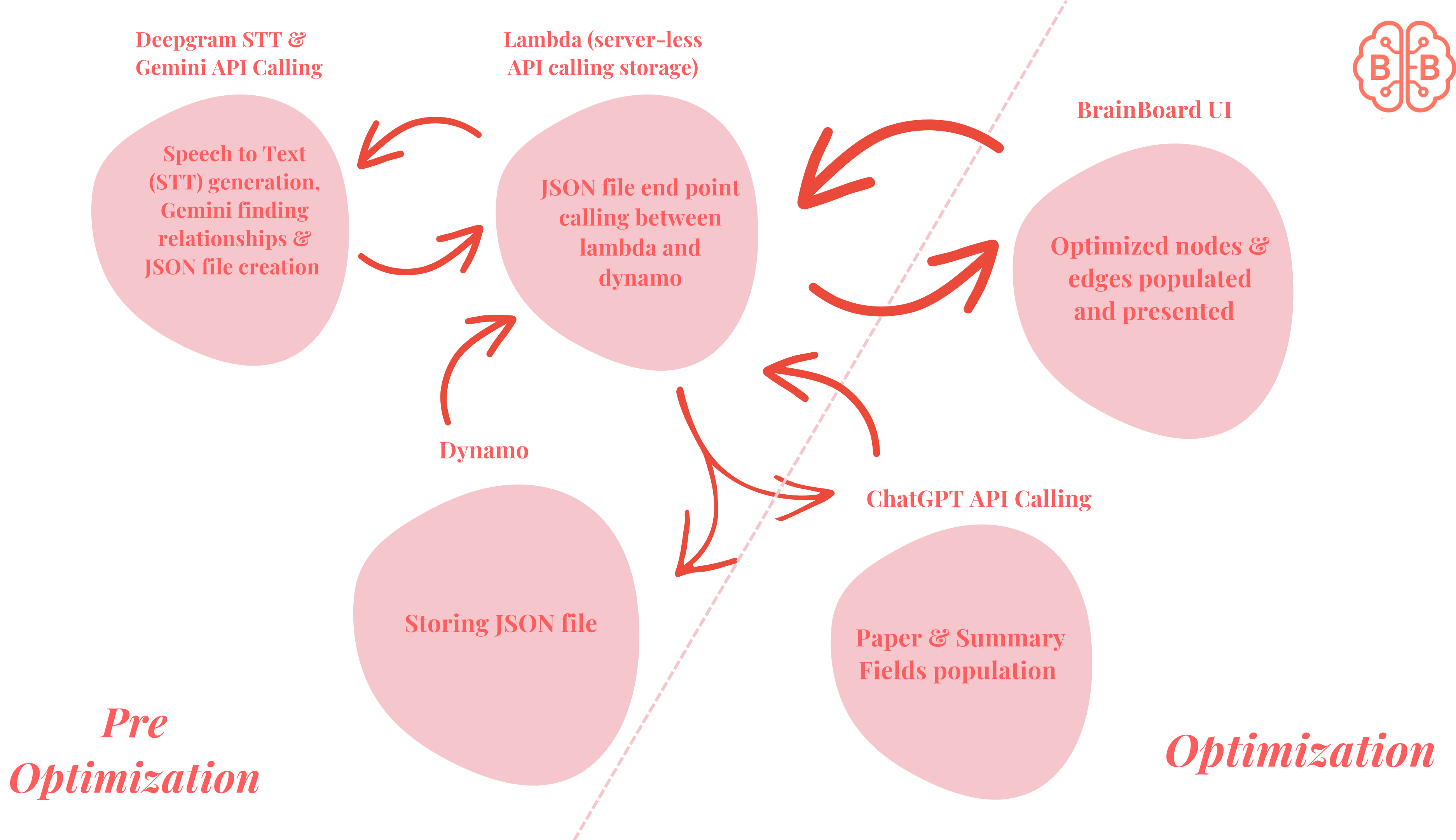


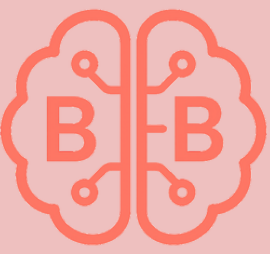
Pranav Krishnan



Adiv Padgilwar







Demo Video



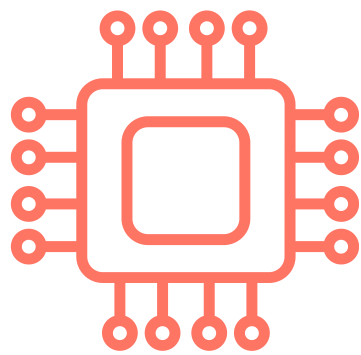
Video unavailable

[Watch on YouTube](#)



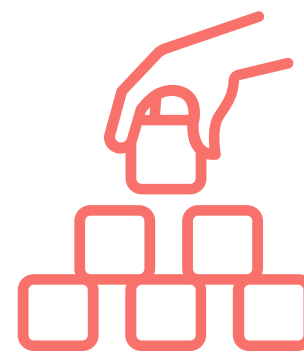


Next Steps



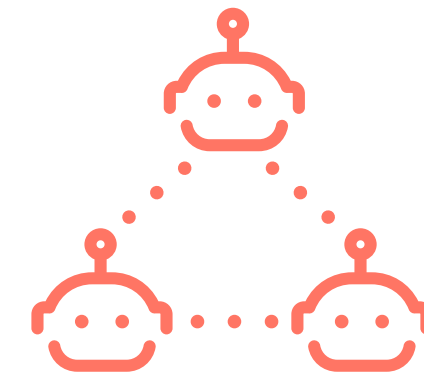
Edge Computing

Flash STT-to-Gemini-to-JSON
script onto Raspberry
Pi/Google Home to allow for
edge computing



Multi-Board Support

Query tables from dynamoDB
for context for future
conversations to build upon
previous conversations



Export to Agents

Utilize Gemin-2.5-Computer-
Use and other Agentic
frameworks to better find
articles and optimize
functionality