

CONTACT

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LANGUAGES

English
Tamil

SOFT SKILLS

Teamwork
Time Management
Communication
Adaptability

TECHNICAL SKILLS

Python
Git & GitHub
VS Code
Raspberry Pi 4
Google Gemini API
Excel / openpyxl
Speech Recognition
Arduino (basic)
Canva, Spreadsheets, Slides

VENUPRASADD MK

AI & Data Science Student

PROFILE

First-year Artificial Intelligence and Data Science student at Karunya University who enjoys building at the intersection of hardware and software. Built an AI-powered voice assistant integrating speech recognition, a structured knowledge base, and the Google Gemini API on a Raspberry Pi 4. Comfortable picking up new tools quickly and debugging real hardware-software systems, and looking for opportunities to apply and grow these skills further.

PROJECTS

KITS Helper — AI Voice Assistant

- Built a voice-activated assistant on a Raspberry Pi 4 that answers questions about equipment at Karunya Innovation and Design Studio (KIDS) using natural speech.
- Designed a custom search engine to match spoken questions to a structured knowledge base of 15+ Excel files covering studio equipment and PCs.
- Integrated the Google Gemini API to generate natural, spoken responses grounded strictly in the knowledge base, with text-to-speech output.
- Tech: Python, Raspberry Pi 4, Google Gemini API, Speech Recognition, openpyxl, pyttsx3.

GitHub: github.com/venuprasaddmk08/Gemini-based-ai-assistant-with-database-of-KITS

EDUCATION

Karunya Deemed University

B.Tech — Artificial Intelligence and Data Science, currently 1st year

Sri Chaitanya School

2024 - 2026