

AKHIL RAMIDI

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www.akhil.bio

EDUCATION

University of Illinois Urbana-Champaign
Bachelor of Science in
Systems Engineering and Cognitive Science

May 2026
GPA: 4.00/4.00

RESEARCH

Representation Alignment Hypothesis

akhil.bio/RAH.pdf

Aug 2024 - Present

- Investigated universal latent representations shared by text, neural, and audio embeddings.
- Evaluated claims of an objective truth of reality versus a reflection of systemic, human-centric biases.

EXPERIENCE

Brunswick Corporation

Machine Learning Intern

Jan 2025 - Present

- Leading the development of innovative vision-based solutions in marine technology using PyTorch
- Enhancing real-time safety systems on edge devices using deep learning models with ROS and CUDA

Omdena

Software Engineer Volunteer

Dec 2023 – Jul 2024

- Refined conservation strategies for Mediterranean seagrass populations by Seaborn data analysis
- Analyzed satellite imagery to refine seagrass mapping using computer vision models in TensorFlow

PROJECTS

Grok vs. Grok

grok.akhil.bio

Sep 2025 – Sep 2025

- Leveraged Grok's truth-seeking personality to generate adversarial debates on controversial topics
- Integrated Grok, 11Labs TTS, and X API to synthesize AI debates with real-time social discussions

HearSafe

www.hearsafe.app

Jan 2023 – Present

- Built a full-stack mobile app with Flutter and Firebase, with 10k+ users on iOS, Android, and Chrome
- Developed a patent-pending auditory algorithm that helps prevent noise-induced hearing loss

SKILLS

Technical:

- Flutter
- JavaScript / React JS
- Python / PyTorch
- TensorFlow
- Node.js / Express
- Cloudflare

Certifications (Coursera):

- Deep Learning Specialization
- Machine Learning Specialization
- AI For Everyone

Languages: English and Telugu (Native), Hindi (Fluent), Spanish (Proficient)