

DHANUSH B

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Education

Siddaganga Institute of Technology

Nov. 2022 – Jun. 2026

Bachelor of Engineering in Computer Science

CGPA: 9.10

Hoysala PU College

Mar. 2020 – May. 2022

12th

Percentage: 96.83

Projects

ZenAI: AI-Powered Personal Counselor

- Designed a multi-agent AI ecosystem leveraging LangChain to coordinate multiple models, integrating Gemini LLM for contextual reasoning and real-time emotional support.
- Developed a multi-modal emotion analysis pipeline by fusing wav2vec2 for vocal sentiment detection and FaceAPI for facial expression recognition, ensuring precise emotional assessment.
- Implemented adaptive conversational AI with custom LangChain tools and Eleven Labs TTS, enabling personalized therapeutic interactions based on real-time emotional insights.

Technologies: React.js, Node.js, LangChain, wav2vec

Arna AI: Smart Resume Analysis

- Engineered a hybrid resume screening system combining LangChain-powered agent ecosystem (7 specialized agents) and fine-tuned GPT-2 model achieving precise candidate-job matching.
- Engineered AI-driven scoring using cosine similarity and multi-agent analysis, alongside automated interviews, dynamic question generation, and a recruiter dashboard with bulk processing via Firestore.

Technologies: Next.js, Flask, LangChain, Gemini, Firestore

GitHub: Arna AI

SafeSteps: AI-Powered Safety Platform

- Developed a custom neural network-based voice detection system integrating wav2vec for keyword analysis and TensorFlow for pitch/energy detection, enabling hands-free real-time SOS activation.
- Implemented secure location tracking with React Native Geolocation, Twilio API for automated emergency alerts, and audio/video evidence capture.

Technologies: React Native, Flask, TensorFlow, wav2vec

GitHub: SafeSteps

Achievements

- Hackathons: Secured 1st place in the GEN AI at Hackcult and 3rd place winner at Smart India Hackathon and Top 9 finalist among 250+ teams at HackSoc 2.0 organized by RVCE Bangalore.
- Web Development: Secured 2nd place consecutively for two years in Webify — a state-level web development competition hosted by IEEE. (2023, 2024).
- Programming (DSA): Solved 600+ problems on LeetCode; Secured 3-star at CodeChef (Max. 1685)

Skills

None: None

None: None

None: None