Dhulipalla Gopi Chandu

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Work Experience

Research Intern – Gamified AI and ML — IIT Madras (OnSite)   *Spring 2025*

- Working under Prof. Kartic Vaidyanathan on applying Generative AI to develop personalized education tools. Designed AI-driven, gamified learning systems by integrating automation, GenAI, and full-stack development to improve instructional delivery.
- Evaluated 15+ AI tools and developed a responsive React.js web application to gamify awareness of government schemes, demonstrating practical use of AI-assisted content generation and delivery across devices.

Generative Ai Engineer (Part-Time)   *june 2025-present*
IndieRise Research Labs Pvt. Ltd., Chennai (Startup)

- Building **IndieShots** from scratch as part of the core tech team – a SaaS platform that converts screenplays into structured shot lists and AI-generated storyboards.
- Currently developing a NLP and LLM powered pipeline that parses screenplays, extracts scene metadata, and generates structured outputs, leveraging `OpenAI GPT` for automation of preproduction workflows.
- Contributing to the development of the company website and internal dashboards using the MERN stack, deployed via Google Cloud Run with container images managed through Artifactory.

Mern Stack Developer Intern-The Entrepreneurship Network (Remote)   *Febuary 2025-April2025*

- Developed a modern, responsive interior design website with a strong focus on UI/UX using React.js, showcasing visual aesthetics and brand identity.
- Led the design and implementation of the blog module, creating dynamic content pages with reusable React components and smooth client-side routing.

Technical Skills

Languages: Python, C
Web Technologies: HTML, CSS, JavaScript, React.js
Libraries & Frameworks: Pandas, NumPy, Matplotlib, Hugging Face Transformers, LLMs
Cloud & APIs: Google Cloud Platform (GCP), Vertex AI, Cloud Storage, REST API
Core CS Concepts: Data Structures and Algorithms (DSA), DBMS, Machine Learning
Coursework: Artificial Intelligence, Natural Language Processing,, Prompt Engineering
Tools & IDEs: Git/GitHub, VS Code, Jupyter Notebook, Google Colab,N8N

Projects

Smart Meeting Summary System

- Built an on-premises Smart Meeting Summary System for the IWTSD Challenge, enabling multilingual meeting analysis with Automatic Speech Recognition (Whisper, Wav2Vec2), Neural Machine Translation (MarianMT, NLLB), and Summarization (mBART/T5) for English, Farsi, and Hebrew.
- Integrated multilingual sentiment analysis with fine-tuned transformer models (cardiffnlp/twitter-roberta, HooshvareLab/ParsBERT, hebEMO) while ensuring fully offline, privacy-preserving deployment on edge devices in low-resource environments and System was implemented using Hugging Face Transformers and PyAnnotate for diarization.

LoRA Speech Recognition Model   *[GitHub]*

- Engineered a memory-efficient LoRA-adapted Wav2Vec2 model for real-time multilingual speech-to-text transcription; benchmarked ASR and language identification performance across SpeechBrain and OpenAI Whisper pipelines.
- Quantized and deployed the final model on Hugging Face with complete evaluation reports, model card documentation, and reproducibility assets for public access.

Travel Itinerary Planner   *[GitHub]*

- Built an AI-powered travel planner using Python, Gradio, and LangChain with Groq's LLaMA 3.3 70B for generating personalized day-trip itineraries based on user preferences.
- Designed a clean Gradio UI and applied prompt engineering techniques to ensure fast, structured, and relevant travel suggestions.

Education

Degree / Class	Institute / Board	CGPA / Score	Year
B.Tech – CSE (AI & ML)	R.V.R. & J.C. College of Engineering	8.99	2026
Intermediate (MPC Stream)	BIEAP Board	93.5%	2022
SSC	BSEAP Board	100%	2020

Achievements & Highlights

- Earned a 2 star in Problem Solving and a 4 star in SQL on HackerRank.
- Ranked in the top 5% nationally with a score of 94.73% in the Naukri Young Turks Skill Contest.
- Secured All India Rank 11028 in JEE Mains among over one million candidates.
- Regularly solved problems on LeetCode to strengthen problem-solving skills in algorithms and data structures, participating in weekly contests and challenges.
- Conducted independent research projects in Machine Learning, exploring cutting-edge algorithms and cybersecurity paradigms.

Certifications

- NPTEL: Programming, Data Structures and Algorithms
- RAG for Beginners – Simplilearn
- Finetuning Large Language Models – Deeplearning.io
- Career Essentials in Generative AI – Microsoft & LinkedIn