

CHANDRA RUP DAKA

📞 +1-(253) 632 31 81 📩 chandrarupdaka@gmail.com 💬 linkedin.com/in/chandra-rup-daka

Professional Summary

Generative AI Engineer with 2+ years of experience designing and deploying production-grade LLM and agentic solutions across enterprise environments. Passionate about solving real-world problems at scale through intelligent systems.

Education

University Of Houston Aug 2025 – May 2027
M.S. in Engineering Data Science

Amrita Vishwa Vidyapeetham Jun 2019 – May 2023
B.Tech in Computer Science and Engineering (Artificial Intelligence)

Experience

Accenture Aug 2023 – Aug 2025
Advanced App Engineering Analyst Chennai, India

- Delivered GenAI solutions for Reverse Engineering SDLC use cases to production: Change Impact Analysis, Code Translation, Code Dependency Graphs, and automated User Stories & Test Case Generation.
- Achieved 89% coverage in Technical Analysis phase and 9% efficiency at 46% code coverage.
- Architected LLM workflows using LangChain, AutoGen with prompt tuning, few-shot learning, reranking, and tool execution. Customized LLM auth via certs, custom tokens, APIM endpoints for diverse client needs
- Recognized with Wall of Fame (Q4 FY24) and Client Recognition Award for successful delivery.

Projects

Telugu News Language Classification May 2022

- Compared MLP, CNN, LSTM, RNN, and Bi-LSTM models on Telugu news data.
- Used word2vec for embeddings; Bi-LSTM achieved 63.67% validation accuracy.

Number Writing Manipulator May 2021

- Built a 4-DOF manipulator to write digits specified by the user using Python and ROS.

Ball Tracing for Sports Dec 2021

- Tracked moving ball in sports videos and visualized motion in 3D using OpenCV, Matplotlib.

Research Publications

- **Detection of Real and Manipulated Videos using Transfer Learning** – GCAT Conference, Oct 2024
Proposed a deep learning framework to detect fake video content, contributing toward digital media integrity and AI-assisted misinformation detection.
- **Indian Sign Language Generation from Live Audio/Text (Tamil)** – ICACCS, Mar 2023
Built a real-time speech-to-sign translation pipeline using NLP and vision, improving accessibility for the Tamil-speaking hearing-impaired community.

Certifications

AWS Certified Cloud Practitioner
(06/2024 – 06/2027)

Azure AI Fundamentals
(03/2025)

Azure AI Engineer Associate
(04/2025 – 04/2026)

Skills

AI/ML: NLP, Transformers, LLMs, Deep Learning, LangChain, AutoGen, Prompt Engineering

Languages: Python, Java

Soft Skills: Mentorship, Collaboration, Problem Solving