

Ramesh Nayak Rathlavath

Kanchirouly Thand (5-164), Pebbur Mandal, W n p rthy District,
Telangana, 509120

LinkedIn: [r mesh-n y k-r thl v th](#)

Email: r meshrguktbs r@gmail.com

Mobile: +91 6301857629

GitHub: [R thl v thR mesh](#)

Professional Summary

- : I/ML Engineer passionate about Gen AI, R G, and LLM applications with hands-on experience integrating LangChain, Hugging Face, and MCP-based tool-calling. Proven ability to deploy full-stack AI applications with real-time feedback and offline inference systems.

Education

- **R jiv G ndhi University of Knowledge Technologies** Nirmal
B.Tech - Computer Science Engineering; CGP : 8.4 2021 - 2025
- **Nxt Wave Disruptive Technologies** Hyderabad
Industry Ready Certification in Full-stack Development 2021 - 2025
- **RGUKT - Intermediate** Nirmal
MPC / CGP : 8.97 2019 - 2021
- **ZPHS Boys Pebbur, W n p rthy** W n p rthy
SSC / CGP : 9.8 2018 - 2019

Skills

- **Languages:** Python, C++, JavaScript, Java
- **I/ML Tools:** Hugging Face, Transformers, Ollama, LangChain, MLflow
- **Concepts:** R G, Model Fine-tuning, Offline Inference, MCP, Function Calling, Prompt Engineering
- **I/ML Tools:** Hugging Face, Transformers, Ollama, LangChain, MLflow, RunPod
- **Frameworks:** React.js, Next.js, Node.js, Express
- **Databases:** SQL, MongoDB, Firebase
- **Tools:** Git, GitHub, VS Code, Figma
- **Soft Skills:** Team Player, Public Speaking, Ownership, Fast Learner

Experience

- **Certification** Chennai, India
I/ML Engineer – Full-time / LLMs, R G, MLflow, Ollama, MCP Oct 2024 – Present
LLMs / VLMs / DL Model Work: Training and optimizing large-scale models like LLMs, VLMs, and Deep Learning models using on-premise GPU infrastructure.
Offline Inference with Ollama: Built air-gapped LLM inference pipelines using Ollama and Hugging Face models.
Model Fine-Tuning + Metric Logging: Integrated MLflow for logging real-time metrics. Automated model evaluation pipelines.
R G + LangChain Integration: Built document Q systems using LangChain, chunking, FAISS, and vector search.
Model Context Protocol (MCP): Integrated real-time API calls via **Pipedream, Twilio, Cursor** to enable dynamic LLM outputs.
Execution Monitoring: Built structured logging and execution flow tracking systems across AI services.

Projects

- **Learning Path Generator using MCP:** [GitHub: MCP-PIDRE](#) [M-STRE](#) [MLITE-PP](#)
Streamlit, Python, MCP, Pipedream, Notion, Google Drive, YouTube API
Goal-based Paths: LLM + prompt generation for personalized learning.
YouTube
Google Drive: Fetches curated videos/docs via Pipedream.
Notion Integration: Auto-creates learning dashboards.
- **Campus Committee Management Platform:** React, Node.js, MongoDB | Role-based complaint and feedback system.
- **Book Hub:** React, API | Goodreads Clone with login and bookshelf features.

Certificates

- **I/ML Hackathon – Centific:** Built secure, scalable file uploader with ML inference and monitoring.
- **Deep Learning Masters:** Euron | Completed 4-month DL program covering CNNs, RNNs, and Transformers.
- **310 Days of Learning** **ward:** NxtWave | Daily upskilling consistency badge.
- **WS Deployment Certificate:** NxtWave | WS EC2, S3, CloudFront, RDS hands-on project.

chievements

- **Winner - National Level Coding Contest:** Secured 1st place in a nationwide coding competition among 500+ participants (2022).
- **Leadership - Coding Contest Organizing Team:** Selected from 300+ candidates to be part of the elite organizing team for college-level coding challenges.
- **650+ DS Problems Solved:** Solved over 650 problems across LeetCode and GeeksforGeeks, demonstrating strong data structures and algorithmic thinking.