

Lakshman Mandapati



[github](#) [Website](#) [in linkedin](#)

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EDUCATION

Dhanekula Institute Of Engineering And Technology, Vijayawada
BTech in Computer Science AIML

Expected: June 2027

- I Have Secured My Btech 5th Semister With CGPA: 8.64

SKILLS

Full Stack Web Development: React, TypeScript, JavaScript, HTML5, CSS3, Flask, SQL, PostgreSQL

AI & ML: Tensorflow, Keras, Pytorch, Transformers, NLTK, Spacy, Qiskit SDK

DevOps, Automation & Cloud: Git, GitHubActions, Docker, makeAI, crewAI, n8n, Render, Vercel

GenAI & LLM: OpenAI, Google, Groq, LangChain, LlamaIndex, Qdrant, Hugging Face, Streamlit

Enterprise Systems & Integration: ABAP on S4/HANA, CPI (Cloud Platform Integration)

EXPERIENCE

Quedx – Quantum Algorithm Development Intern

2025 – 2026

- Engaged in quantum algorithm development and experimental validation within applied research environments.
- Worked on advancing quantum computing methodologies through structured analysis and iterative optimization.

PROJECTS

NeuroNodes – AI That Thinks and Acts | MCP + Playwright + LLMs [🔗](#)

- Designed and developed an AI execution framework that bridges the gap between reasoning (LLMs) and real-world actions.
- Integrated Model Context Protocol (MCP) with Playwright to enable autonomous interaction with web apps and services.
- Built a scalable agent capable of automating workflows across 3000+ applications.

Driver Distraction Alert System – ADAS Module | OpenCV, MediaPipe, YOLOv5, JetsonNano [🔗](#)

- Developed a real-time driver monitoring system to detect distractions such as phone usage, gaze deviation, and drowsiness.
- Combined MediaPipe with YOLOv5 for accurate identification of mobile usage and driver attention.
- Optimized implementation on Jetson Nano for embedded, low-power edge deployment in public transport vehicles.

Codex Agent – Multi-Agent AI Coding Assistant | LangGraph & Groq [🔗](#)

- Built a multi-agent development system using LangGraph with Planner, Architect, and Coder agents to automate project planning.
- Implemented a structured workflow engine capable of converting natural-language requirements into runnable software projects.

CERTIFICATES AND TECHNICAL ACHIEVEMENTS

- Winner – Amaravti Quantum Valley Hackathon 2025 (International AI–Quantum hybrid challenge)
- Best Innovation Award – CodeSpark 25 Hackathon, KBN College, Vijayawada
- Core member of 10x Devs Club (Cybersecurity) at DIET.