LALITHA CHINTHA

Bengaluru, Karnataka, India

📞 +91 6302271653 ✉️ chinthalalitha2004@gmail.com 🔗 LinkedIn 🐙 Github Leetcode Portfolio Website

Experience

Indegene | **Sept 2024 – Current**
Software Engineer (Backend Developer) | *Bengaluru, Karnataka*

- Engineered a **healthcare chatbot** using FastAPI, LangChain, and Llama models, providing patients access to medical info, FAQs, and appointment support.
- Orchestrated a **multi-agent system using Microsoft AutoGen**, allowing LLM agents (data retrieval, summarization, validation) to collaborate, reducing manual effort by **35%**.
- Introduced a **reporting feature** offering interactive dashboards, empowering healthcare leadership to make data-driven decisions.
- Deployed **distributed RAG pipelines** with LangChain and Pinecone, enhancing response accuracy and ensuring system reliability.

MountBlue Technologies | **June 2024 – Aug 2024**
Full-Stack Developer Trainee | *Bengaluru, Karnataka*

- Acquired hands-on experience in backend and frontend technologies: **Python, Java, SQL, React, REST APIs, and distributed systems**.
- Worked on production-ready enterprise applications emphasizing **scalability, reliability, and fault-tolerant design**.
- Promoted to Indegene full-time role due to consistent delivery of maintainable, production-quality code.

Technical Skills

Programming Languages: Java, Python, JavaScript, SQL

Backend: FastAPI, Flask, REST APIs, Microservices, Concurrency Handling, Distributed Systems

Databases: MySQL, MongoDB, Pinecone (Vector DB)

System Design & Scalability: API Design, Caching, Load Balancing, High Availability, Fault Tolerance, Event-Driven Architecture

Cloud & DevOps: AWS (S3, EC2, Lambda, RDS, IAM), Docker, CI/CD

Software Engineering: DSA, OOP, Design Patterns, SOLID Principles, Unit Testing, Code Reviews

Tools: Git/GitHub, GitLab, VS Code, IntelliJ, Postman, Jupyter, CLI

Projects

AI-Powered YouTube Video Summarizer | View Project | **Nov 2024 – Dec 2024**

- Engineered a GenAI summarizer using Python, Whisper V3 Turbo, and Llama 3.1 8B, producing multi-language YouTube video summaries efficiently.
- Integrated LangChain for advanced text processing, enabling structured, concise summaries from large datasets.
- Enabled multi-language support and private content handling via FFmpeg and yt-dlp, ensuring secure and scalable performance.

CareerAI Assistant | View Project | **Sep 2025 – Present**

- Built an AI-powered tool generating tailored interview questions by analyzing candidate resumes.
- Implemented parsing pipelines for PDF, DOCX, PPTX, and image formats using PyPDF2, python-docx, python-pptx, and Tesseract OCR.
- Designed an interactive Streamlit frontend for candidates to practice mock interviews and assess readiness.

SmartQuiz Platform | View Project | **July 2024 – Aug 2024**

- Launched an interactive quiz platform with 50+ dynamic questions, timers, and real-time scoring, boosting engagement by 30%.
- Implemented a leaderboard system to track performance, improving retention by 20%.
- Built responsive UI with interactive elements for seamless multi-device experience.
- Integrated persistent storage for user scores and progress, enabling personalized analytics.
- Optimized performance and question rendering for smooth gameplay with multiple concurrent users.

Achievements

- Secured **global rank 60/19K+** in Coding Ninjas Weekend Contest 107.
- Secured **global rank 1274/140,000+** in CodeKaze, June 2023.
- Secured **global rank 863/35,576** in Newton Coding Challenge, Coderush April 2023.
- **1300+** problems solved on Leetcode.

Education

Sree Vidyanikethan Engineering College | **Dec. 2020 – May 2024**
*B.Tech in Computer Science and Engineering - **CGPA: 9/10*** | *Tirupati, Andhra Pradesh*

Sri Chaitanya Junior College | **April 2018 – March 2020**
*MPC - Scored **979/1000*** | *Vijayawada, Andhra Pradesh*