

Laxmi Sai Maneesh Reddy Jupalle

Chicago, IL — Ljupa1@uic.edu — (872) 357-7484 — LinkedIn — GitHub — Portfolio

EDUCATION

University of Illinois - Chicago (UIC)

Aug 2024 – May 2026

Master of Science in Computer Science

Chicago, IL

GPA: 3.80

Coursework: Distributed Systems, Artificial Intelligence, Machine Learning, Data Science, Networking, DBMS, DevOps, GenAI.

Jain (Deemed to be University)

Jul 2018 – Jul 2022

B.Tech in Computer Science and Technology in Artificial Intelligence

Bengaluru, KA

GPA: 3.72

Coursework: Machine Learning, Deep Learning, NLP, HCI, Data Structures, DAA, DBMS, Data Science, AI

WORK EXPERIENCE

VMware by Broadcom

Bengaluru, KA

Technical Support Engineer

May 2023 – Jul 2024

Associate Technical Support Engineer

Aug 2022 – Apr 2023

- Leveraged expertise in APIs, certificates, and XML to streamline profile integration and enhance system performance.
- Drove issue resolution for thousands of clients, directly ensuring uninterrupted operations and system uptime.
- Conducted deep investigations into Apple platform issues, contributing to improved enterprise mobility solutions.
- Standardized Jira ticket workflows with clear reproduction steps and environment details, reducing developer–tester communication loops by 40%.
- Demonstrated expertise in Apple–VMware environment troubleshooting, leveraging server log analysis and configuration audits to isolate and resolve complex compatibility issues.

Ifortis Corporate

Bengaluru, KA

Campus Ambassador (Technical Lead)

Mar 2020– Jul 2020

- Directed 30+ technical bootcamps on Python and algorithms, facilitating code reviews and hands-on debugging sessions for 200+ participants.
- Spearheaded a developer upskilling program, curating technical resources and mentoring 50+ students in full-stack project deployment and architecture.

TECHNIAL SKILLS

Programming Languages: C, C++, Python, Java, JavaScript, TypeScript, Rust, SQL, HTML, CSS

Frameworks & Libraries: React, Django, TensorFlow, PyTorch, Scikit-Learn, NLTK, Hadoop

Cloud, DevOps & Tools: AWS, Azure, Docker, Jenkins, APIs, LLMs, Ubuntu, Kali Linux

Analysis: Machine Learning, Data Analysis, PowerBI, Tableau, MS Office

Languages: English, Telugu, Hindi, Japanese

PROJECTS

Golden Bridge: Ambulance Pre-Arrival System

Dec 2025

1st Place, Microsoft-Sponsored Hack with Chicago

- **Architected** multi-agent orchestration system using LangChain and GPT-4 for intelligent triage automation, implementing automated coordination between diagnostic, severity scoring, and treatment agents with human oversight.
- **Engineered** real-time streaming with Pathway, Kafka, FastAPI, and WebSockets for sub-second latency EMS vitals transmission, deployed on Azure with Docker demonstrating scalable service architecture.

Insurease

Jan 2025 – May 2025

- Built a website with LLM-powered document analysis system using GPT-Nano/Gemini Flash APIs with vector/graph search (Qdrant/Neo4j) to extract, compare, and simplify insurance documents.
- Designed a scalable architecture with modular tools (Extract, Query, Analyze, Compare) that refine queries, parse documents, and enable intelligent decision-making through integrated LLM workflows.

ResearchAI

Dec 2024 – Jan 2025

- Developed a full-stack website with AI research assistant (React/TypeScript, Node.js) for users to upload and interact with research papers via an AI chatbot with summarization and Q&A.
- Architected a secure, multi-LLM backend API (JWT, RLS, Supabase) and designed a responsive UI (Tailwind CSS) with drag-and-drop uploads and real-time chat.

PUBLICATIONS

Diabetic Retinopathy Detection using ML

Jan 2022 – Jun 2022

- Designed a 5-layer CNN to classify X-ray images with 94.5% accuracy.
- **Published and awarded International Best Researcher by ISSN.**
- www.ijariit.com/manuscript/diabetic-retinopathy-detection-using-machine-learning/

AWARDS AND RECOGNITIONS

VMware vExpert 2023

2023

- Recognized for demonstrated expertise and community contributions in virtualization and cloud infrastructure technologies through technical evangelism and thought leadership.