Laxmi Sai Maneesh Reddy Jupalle

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EDUCATION

University of Illinois - Chicago (UIC)   **Aug 2024 – May 2026**
Master of Science in Computer Science   Chicago, IL
GPA: 3.80
Coursework: Artificial Intelligence, Machine Learning, Data Science, Networking, Database Management Systems, 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   Mar 2020– Jul 2020

- Conducted 30+ online programming workshops, fostering hands-on coding skills and a collaborative learning culture.
- Organized virtual mentorship connects, guiding 50+ students through academic, technical, and career growth.

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

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 – Present**

- 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.

Jan Swasthya   **Jan 2021 – Jun 2021**

- Engineered a web health application with a CNN model with 85% accuracy; reduced patient wait times for initial assessment by 30% and improved diagnostic accuracy by 15%.
- Integrated chatbot and CNN model (85% accuracy); stack: Django, Bootstrap, Pandas, NumPy.

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.