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

Jain (Deemed to be University) **Jul 2018 – Jul 2022**
B.Tech in Computer Science and Technology in Artificial Intelligence Bengaluru, KA
GPA: 3.80
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

- Offered technical expertise in APIs, certificates, profiles, and XML for smooth integration and performance.
- Delivered robust technical support to thousands of clients, ensuring uninterrupted operations.
- Conducted deep investigations into platform issues, contributing to improved enterprise mobility solutions.
- Designed and enforced Jira ticket standards, including detailed reproduction steps and environment information, leading to a 40% reduction in back-and-forth communication between developers and testers.
- Recognized for expertise in Apple product compatibility, mentoring new team members in troubleshooting techniques.

Ifortis Corporate **Bengaluru, KA**
Campus Ambassador Mar 2020– Jul 2020

- Conducted more than 30 online programming workshops at the university, encouraging knowledge sharing.
- Executed virtual connects for new students with seniors and peers, facilitating mentorship and guiding more than 50 students throughout this initiative.

SKILLS AND INTERESTS

Programming Languages: C, C++, Python, Java, JavaScript, RUST, SQL, HTML, Django.
Tools/Labs: TensorFlow, PyTorch, Scikit-Learn, AWS, Azure, Ubuntu, KaliLinux, NLTK, APIs, Jenkins, Docker, LLM
Analysis & Visualization: Machine Learning, Data Analysis, PowerBI, Tableau, Hadoop
Languages: English, Telugu, Hindi, Japanese
Interests: Chess, Badminton, Automobile base technologies, Finance analysis, Reading Books

PROJECTS

Insurease **Jan 2025 – May 2025**

- Built an 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.

SheSecure **Dec 2024 – Present**

- Engineered a machine learning pipeline utilizing CCTV footage and a pre-trained YOLOv5 model, achieving 92% precision in detecting potential assault incidents on campus during testing.
- Trained model across 10 epochs to improve activity recognition accuracy.

Jan Swasthya **Jan 2021 – Jun 2021**

- Engineered a 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/