

LALITH SAGAR KAMBALA

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EDUCATION

University of Central Missouri, Lee's Summit, Missouri

Master's in Computer Science (Aug 2023 – May 2025) | GPA: 3.55/4.00

Anil Neerukonda Institute of Technology & Sciences (ANITS), Andhra Pradesh, India

Bachelor of Technology in Computer Science and Engineering (Sep 2019 – Apr 2023) | GPA: 8.79/10

CORE COMPETENCIES

- **Programming** : Python, Java, C, C#, SQL, JavaScript, TensorFlow, Pytorch, Object-Oriented Designs
- **Frameworks & Tools**: Flask, ReactJS, TensorFlow, NumPy, scikit-learn, Keras, Tableau, MongoDB Atlas, AWS
- **Skills**: Data Structures & Algorithms, Data Analysis, Image processing techniques, Deep Learning, regression, classification and Generative models
- **Coursework**: Database Systems, Adv Algorithms, Adv Operating Systems, Cloud Computing, Agile Methodologies, Machine Learning & AI
- **Platforms**: VS Code, Jupyter Notebook, Embedded Linux, Azure, Microsoft 365, Git

ACHIEVEMENTS & CERTIFICATIONS

- **Smart India Hackathon 2022**, Winner
- Oracle Cloud Infrastructure 2024 **Generative AI** Professional (1Z0-1127-24)
- Introduction to **Large Language Models** (LLM) by Google Cloud
- Accenture North America **Data Analytics and Visualization** Job Simulation on Forage - January 2025
- **AWS Certified Cloud Practitioner**

PROFESSIONAL EXPERIENCE

Web Development Intern, Coincent Technologies, India

Sep 2022 – Nov 2022

- Engineered a comprehensive Job Portal Management System utilizing **HTML**, **CSS**, and **JavaScript**.
- Managed SQL database operations for handling employee records and job requirements. Enhanced database efficiency through optimized queries and schema design. Improved UI/UX for enhanced user engagement, reducing bounce rates by 20%.

PROJECTS

Weather App

Jan 2025 – Apr 2025

- Developed a responsive Weather App interface using HTML, CSS, and JavaScript to display real-time weather updates.
- Integrated Open Weather API to fetch live weather data for cities across the globe.
- Enabled users to search for any location and instantly view temperature, humidity, and weather conditions.

Kanban Board

Aug 2024 – Dec 2024

- Developed an interactive Kanban board application to enhance task management and workflow visualization.
- Orchestrated the creation of a fully responsive user interface using React.js. Built RESTful APIs with Spring Boot to manage tasks.
- **Technologies**: React.js, Docker, Spring Boot, MySQL

Payroll Management System

Sep 2023 – Dec 2023

- Created a robust system to manage employee financial records, including salary calculations, deductions, and leave management.
- Optimized SQL database queries to ensure smooth execution and processed over 1,000 transactions, maintaining 99.9% accuracy in payroll data.
- **Technologies**: Python, SQL, MongoDB, HTML, CSS

Brain Tumour Detection Using Deep Learning

Nov 2022 – Apr 2023

- Constructed a convolutional neural network model achieving **94% accuracy** in detecting brain tumours from MRI scans.
- Leveraged a dataset of 3000 MRI images and applied data pre-processing techniques for optimal results.
- **Technologies**: Convolutional Neural Networks, Python, TensorFlow, Keras

BLOCKWIZZ project on Property Management System

Aug 2022 – Dec 2022

- Developed *Block Wizz*, a decentralized blockchain-based tax payment system to ensure transparent and tamper-proof transactions.
- Integrated SHA-256 hashing to securely link payment histories in an immutable ledger, preventing fake receipts and duplicate payments.
- Enabled reliable tracking of all tax activities, ensuring no skipped payments and full auditability across the network.
- **Technologies**: CSS, ReactJS, EthersJS, Flask, JavaScript, Cryptographic-Hashing, Smart Contracts