

K Mallikarjuna Reddy

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Objective

Motivated and detail-oriented Computer Science graduate specializing in IoT. Seeking an entry-level role in the software domain to leverage my technical skills, contribute to impactful projects, and continuously learn and adapt to emerging technologies while driving innovation and delivering robust solutions.

Education

Bachelor of Technology in Computer Science (Internet of Things)
Mohan Babu University – Sree Vidyanikethan Engineering College, Tirupati
Graduated: 2025

Technical Skills

Programming Languages: Python

Cloud Platforms: AWS, Google Cloud Platform (GCP)

Databases: SQL

Version Control: Git

Backend Management: Expertise in SQL database structuring

Soft Skills: Leadership, team collaboration, adaptability, strong observation power

Professional Experience

Founder & Backend Engineer in KMS clubs | March 2023 – Present

- Established a student-driven software company during undergraduate studies, fostering a collaborative environment for students to develop real-world software solutions.
- Led a team of student developers to design and deliver scalable microservices for SaaS applications using web technology and cloud computing.

AWS Cloud Computing Internship

- Gained hands-on experience in cloud infrastructure, EC2, S3, IAM, and Lambda functions.
- Worked on deploying scalable applications and managing cloud resources securely.
- Completed multiple mini-projects using AWS Console and CLI to reinforce learning.

Cybersecurity Internship at Palo Alto Networks (Virtual)

- Learned fundamental cybersecurity concepts including threat intelligence, firewalls, and network protection.
- Completed virtual labs involving malware analysis, intrusion detection, and incident response.

Project Experience

Blood Report Analysis System using CrewAI

- Developed a generative AI system using multi-agent architecture to analyze blood report PDFs.
- Used CrewAI, OpenAI API, and PDF parsing libraries to automate healthcare data interpretation.
- Addressed challenges like PDF format variations and dependency management.

AI Chatbot Services for Local Market Web Platforms

- Integrated AI-powered chatbot assistance into small business websites to improve customer engagement.
- Used OpenAI and Hugging Face models for intelligent response generation.

IoT-Based Robotic Arm

- Created a four-degree-of-freedom robotic arm with remote IoT-based control.
- Designed for repetitive, precision-based tasks in industrial or lab settings.
- Suitable for handling hazardous environments where human intervention is risky (e.g. Temperature Checking during covid, biohazard).

Digital Diary Web Application

- Built a secure digital diary platform using PHP, MySQL, HTML, CSS, JavaScript, and Bootstrap.
- Implemented efficient data storage and retrieval using phpMyAdmin.

Certifications

- Google Cloud Certified – Associate Cloud Engineer
- Oracle Cloud Infrastructure 2024 – Generative AI Certified Professional
- Postman API Fundamentals – Student Expert
- GitHub Foundation Certified

Additional Skills

- Problem Solving: Proficient in debugging complex distributed systems.
- Collaboration: Cross-functional communication and team player.
- Coding Practices: Clean, industry-standard coding with a learning mindset.

Extracurricular Activities

- Tech Talks Organizer: Hosted sessions on cloud and observability tools.
- GitHub Contributor: Contributions in cloud security, backend, and API projects.
- Fitness Advocate: Promotes discipline and stress management through fitness.

References

Available upon request.