Marri Lahari Krishna

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Summary — Final-year B.Tech student specializing in IoT with strong knowledge of Cloud Computing, AI/ML, and Software Development. Experienced in building end-to-end solutions, including a cloud-based Climate Change Analysis project using AWS and React, and an IoT-based Real-Time Water Safety system. Skilled in C, Java, React.js, Node.js, SQL, and Python with hands-on experience in backend development, APIs, and machine learning workflows. Certified AWS Solutions Architect – Associate and IBM Python, with a proven ability to collaborate in teams, solve problems, and deliver impactful results.

Skills

Management	Leadership, Teamwork, Communication, Problem-Solving	**Cloud**	AWS (Certified)
		IoT	Arduino, Raspberry Pi
Programming	C, Java, Python, HTML/CSS	**Frameworks**	React.js, Node.js, REST APIs
		Tools	Git, VS Code, Figma

Publications

Machine Learning Based Booklet Status Detection   Mar 2025

- Presented at the 1st International Conference on Microstructure, VLSI, Robotics, Communication, Electrical Emerging Technologies using AI-ML Algorithms (ICMVRCET 2025), M V R College of Engineering and Technology.
- Focused on automating booklet status detection using machine learning to improve resource tracking in educational institutions.
- Utilized supervised learning models for classification and real-time booklet monitoring to reduce manual error.
- Paper ID: 191 — Organized in association with Taylor Francis

Projects

Online Student Project & Portfolio Management Platform   Jan 2025 – Mar 2025

- Designed and developed a Java-based web application for managing and showcasing student projects and portfolios.
- Implemented role-based access with **Admin (Teacher/Institution)** for managing submissions, reviewing progress, and providing feedback, and **User (Student)** for uploading projects, updating portfolios, and tracking milestones.
- Integrated secure authentication, project description management, media upload, and progress tracking features to enhance usability.
- Tools/Tech used: Java, JSP/Servlets, MySQL, HTML/CSS, Bootstrap.

Real-Time Water Safety Monitoring Using IoT   Jul 2024 – Sep 2024

- Led a 3-member team to design and deploy a smart IoT system for real-time water safety monitoring.
- Oversaw project planning, execution, and final presentation, ensuring timely delivery and effective collaboration.
- Coordinated sensor integration and data collection, while guiding the implementation of a cloud-based alert and monitoring system.
- Enhanced problem-solving and leadership skills by managing challenges in system design and deployment.

Automatic Railway Gate Control using Arduino   Feb 2024 – Apr 2024

- Developed a prototype system using IR sensors and servo motor to control railway gates automatically.
- Aimed at preventing accidents by detecting train presence and managing gate movement in real-time.
- Tools used: Arduino Uno, IR Sensors, Servo Motor, C Programming.

Education

B.Tech in Internet of Things (IoT)   2022

- Specialization in ARTIFICIAL INTELLIGENCE AND INTELLIGENT PROCESS AUTOMATION
- KL University, Vijayawada
- CGPA: 9.34/10

Intermediate (MPC)   2020 – 2022

- Sri Chaitanya Junior College, Vijayawada
- Score: 72.34%

Secondary School (10th)   2019 – 2020

- Sri Chaitanya Techno school, Vijayawada
- GPA: 10/10

Certifications

AWS Certified Cloud Practitioner – Amazon Web Services

NPTEL Certification (IoT) – National Programme on Technology Enhanced Learning

IBM Developer Skills Network – Certified by IBM Education

Oracle Cloud Infrastructure Foundations Associate – Oracle

Research Paper Certificate – Presented at ICMVRCET 2025 (in association with Taylor & Francis)

Artificial Intelligence and Machine Learning Using Python — Industrial Automation (Level-2)