KALYAN BABU ALLAMUDI

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Professional Summary

M.Tech CSE student skilled in SDLC, cloud technologies, and AI. Seeking to apply technical expertise and problem-solving skills to SDLC challenges in dynamic tech teams.

Education

KL University   2023 – 2025
M.Tech, Computer Science and Engineering   Vijayawada, India
CGPA: 9.3

NRI Institute of Technology   2019 – 2023
B.Tech, Electronics and Communication Engineering   Vijayawada, India
CGPA: 7.8

Technical Skills

Programming Languages: Python, Java, JavaScript, SQL
Data Structures & Algorithms (DSA): Proficient in Foundational concepts
Software Development Life Cycle (SDLC): Agile (SCRUM), DevOps, Version Control (Git)
Web Development: HTML, CSS, JavaScript, MongoDB, Express.js, React.js, Node.js, Next.js
Cloud Platforms: Google Cloud Platform (GCP)
Artificial Intelligence & Machine Learning: TensorFlow, PyTorch, OpenAI API
Database Management: MySQL, MongoDB

Internships

SDE Internship *Bluestock, Pune, Maharashtra, India*   Oct 2024 — Dec 2024
Led a team and contributed 40% to development tasks, focusing on responsive design, testing, and security enhancements. Utilized HTML, CSS, JavaScript, Bootstrap, and GitHub for efficient project delivery.
Collaborated with cross-functional teams to integrate front-end and back-end functionalities, improving project delivery time.   *View Certificate*

AI/ML Virtual Internship *Google, CA, USA*   Jul 2024 – Sep 2024
Implemented TensorFlow models for image classification and object detection, achieving a 15% improvement in accuracy.
Deployed machine learning solutions on Google Cloud Platform (GCP), reducing latency by 20%.   *View Certificate*

FullStack Web Development *Delhi, India*   Feb 2023 – April 2023
Developed responsive front-end designs using HTML, CSS, JavaScript, and React, improving user engagement by 25%.
Built and maintained RESTful APIs using the MERN stack (MongoDB, Express.js, Node.js), enhancing application performance by 20%.   *View Certificate*

Projects

AI Chatbot for Hospital Management Designed and implemented an AI-powered chatbot using NLP and REST APIs to streamline patient management processes, improving efficiency by 42%.   *Working Video*

Pathfinding Visualizer Developed a React.js application featuring real-time visualizations for algorithms such as Dijkstra, A*, BFS, and DFS, enhancing algorithm comprehension by 70%. Improved user engagement by 50% through features like speed controls, interactive elements, and a fully responsive design.   *Live Link*

Certifications

Salesforce Certified AI Associate   *Certificate*
Google Data Analytics Professional   *Certificate*
Microsoft Certified: Azure AI   *Certificate*
Cisco Python Essentials   *Certificate*