G KRISHNA TEJA

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SUMMARY

Final-year Computer Science student with strong programming, web development, and machine learning skills. Adaptable team player with a growth mindset, ready to build scalable solutions in Agile environments.

EXPERIENCE

AI DevOps

Rooman Technologies **February 2025 - June 2025, Bengaluru, India**

- Completed hands-on training in DevOps fundamentals including CI/CD, version control, containerization, orchestration, and infrastructure automation.
- Developed and maintained automated deployment pipelines using Jenkins and GitHub Actions, enhancing deployment efficiency.
- Deployed containerized applications using Docker and managed orchestration with Minikube (Kubernetes).
- Automated infrastructure provisioning using Ansible and Terraform, streamlining environment setup and configuration.
- Gained practical experience with AWS services such as EC2, S3, and IAM, and collaborated effectively within Agile teams.
- Designed and executed comprehensive test scenarios within CI/CD pipelines, reducing post-deployment issues and improving release quality.

PROJECTS

Airport Management System

Department of Computer Science, Dr. Ambedkar Institute of Technology

- Handled 1000+ mock user scenarios for bookings, cancellations, and user roles.
- Decreased average booking time by 60% through optimized SQL queries and form validation.
- Integrated secure login and session management for user data protection.

Virtual Navigation: Autonomous Vehicle Simulator

Department of Computer Science, Dr. Ambedkar Institute of Technology

- Implemented LiDAR, radar, and camera modules for collision prediction with 95% precision.
- Developed neural network decision-making trained on 500+ routes and 10+ terrain types.
- Achieved 85% success rate in obstacle avoidance in randomized navigation tests.

Gait-Based Behaviometric Identification using CASIA-B Dataset and Gait Energy Images

Department of Computer Science, Dr. Ambedkar Institute of Technology • October 2024 - March 2025

- Built a biometric authentication system leveraging walking patterns using GEIs, CNNs, and GCNs.
- Integrated PCA and LDA with deep learning for enhanced feature extraction and classification.
- Achieved 93.7% accuracy across 124 subjects and 11 view angles in the CASIA-B dataset.
- Reduced latency by 40% using an optimized inference pipeline (0.3s/frame).
- Designed real-time UI for live recognition and match confidence score display.
- Conducted benchmarking with GaitSet, GaitPart, and Cross-View Gait Recognition frameworks.

EDUCATION

Bachelor of Engineering in Computer Science and Engineering

Dr. Ambedkar Institute of Technology • Bangalore • Dec 2021- Present • 8.38

Pre-University Course (PUC)

Vidyakirana PU College • Bellary • May 2019 - July 2021 • 89.5

CBSE

Narayana E-Techno School • Bellary • May 2019 • 77.2

CERTIFICATIONS

Blockchain Basics Certification - Great Learning

Great Learning • 2024

Python Development Virtual Internship

Coders Cave • 2023

SKILLS

Java, Python, C++, C, C#, JavaScript

MERN Stack, Django, HTML, CSS

MySQL, SQL, MongoDB

Git, GitHub, VS Code, Eclipse

Basic understanding of AWS and Azure

Scikit-learn, CNNs, Neural Networks, Data Preprocessing, Model Training

Data Structures and Algorithms, Object-Oriented Programming (OOP)