Lalitha Samyuktha Jayanthi

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Value Proposition

Data Science graduate with a strong foundation in AI/ML, cloud-native development, and distributed systems. Demonstrated ability to deliver impactful solutions through hands-on projects using Python, TensorFlow, AWS, and Docker. Eager to contribute to collaborative teams and grow through structured learning and mentorship.

Education

- B. Tech | CSE-Data Science | Avanthi Institute of Engineering and Technology | 2025 | 7.88 CGPA
- Intermediate | Sri Chaitanya Jr. College | 2021 | 9.12 CGPA
- Tenth | Sri Chaitanya School | 2019 | 9.5 CGPA

Technical Proficiencies

Programming & ML: Python, TensorFlow, PyTorch, Scikit-learn, OpenCV, Hugging Face Transformers
Cloud & DevOps: AWS (EC2, S3, Lambda), Docker, Git, GitHub Actions, Jenkins
Data Analytics: Pandas, NumPy, SQL, Matplotlib, Seaborn
Distributed Systems: PyTorch DDP, TensorFlow Distributed, Linux troubleshooting
Soft Skills: Strong communication, analytical thinking, teamwork

Projects

AI-Powered Resume Ranker *Used NLP and ML to evaluate and rank resumes based on job descriptions*
- Built using Python, Scikit-learn, and spaCy; deployed on AWS EC2
- Achieved 85% accuracy in matching resumes to relevant roles
- Integrated feedback loop for continuous model improvement.

Real-Time Emotion Detection System *Computer vision-based emotion recognition using webcam input*
- Implemented with OpenCV and TensorFlow; containerized with Docker
- Achieved real-time performance with <100ms latency
- Used for mental wellness monitoring in student support settings.

Distributed ML Training Pipeline *Prototype for scalable model training across multiple nodes*
- Leveraged PyTorch DDP and TensorFlow Distributed strategies
- Monitored performance using Prometheus and Grafana
- Reduced training time by 40% compared to single-node setup.

AI Chatbot for Student Support *Conversational agent built with Rasa and BERT*
- Handled FAQs and emotional support queries for university students
- Achieved 90% intent recognition accuracy
- Deployed on cloud with CI/CD using GitHub Actions

Internships & Simulations

- AI Intern – AIMER Society | 8 Weeks
- ML Intern – Indian Servers | 8 Weeks
- Data Science Intern – Yhills | 8 Weeks
- Data Science Intern – Prodigy | 4 Weeks
- Job Simulation – TCS | Forage Plat form

Certifications

- Python Developer Certification.
- Google Cloud Gen AI.
- Data Analytics by Jobaaj Learnings.
- SQL by Oracle.
- Java by Oracle.
- AWS Certified Cloud Practitioner.

Core Competencies

- Excellent verbal and written communication.

- Strong analytical and problem-solving mindset.

- Proactive and self-driven learner.

- Collaborative team player with customer empathy.

- Passionate about building scalable, impactful solutions.