ANDE SANNITH KUMAR

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Education

BV Raju Institute of Technology — **June 2026**
Bachelor of Technology in Artificial Intelligence and Machine Learning — *CGPA-6.73*

Sri chaitanya Junior College — **April 2021**
Intermediate Education — *Score-820*

Sri Chaitanya Techno School — **April 2019**
Secondary Education — *GPA-8.5*

Technical Experience

Mastering Data With Machine Learning Internship — **October 2024**
IBM Skills Build

- Gained practical experience in key machine learning concepts, including data preprocessing, model evaluation, and hyperparameter tuning.
- Worked on supervised and unsupervised learning algorithms to develop predictive models using Python.
- Collaborated with instructors and peers to refine problem-solving strategies and enhance model performance.

Projects

Pneumonia Detection Using CNN | *Python, Jupyter Lab* — **June 2024**

- The objective is to develop a CNN-based model for accurate pneumonia detection from chest X-ray images.
- A ResNet50 model is used for feature extraction and Random Forest is used for classification using Chest X-Ray Dataset.

Lane Detection in Autonomous Vehicles — **June 2024**

- Developed a model for accurate lane detection in autonomous vehicles, focusing on improving detection accuracy under varying road conditions to enhance safety and reliability of autonomous driving systems. Implemented using Python and OpenCV.

Traffic Control Optamization | *Python, VS Code* — **June 2024**

- The Objective is, detailing steps for deploying optimized traffic signal timings and monitoring traffic flow for iterative improvements.
- An LightGBM model using the Gaussian Optimization parameters are used with the help of Traffic Prediction Dataset

Skills

Programming Languages: Python, Java, C, MySQL.

Core Domain Skills: Machine Learning, Deep Learning, Computer Vision

Computer Science Concepts: Data Structures and Algorithms, Object-Oriented Programming, Operating Systems.

Other Skills: Ms-Word, Problem Solving, Communication, Team Work.

Courses and Certifications

- Learning Plan for Mastering Data with Machine Learning Internship on IBM Skills Build (2024)
- Course Completion Certificate Privacy and Security in Online Social Media(ELITE)- NPTEL
- Course Completion Certificate Soft Skills(ELITE)- NPTEL
- Certificate Of Participation in Common Internship Test - Internship Studio
- Course Completion Certificate in Agnirva Space Internship Program