

ALLADI MANISH

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Education

B V Raju Institute of Technology

Bachelor of Technology in Artificial Intelligence and Machine Learning

June 2026

CGPA-8.76

Sri Chaitanya Junior College

Intermediate Education

April 2022

Score-952

Shantiniketan Vidyalaya

Secondary Education

April 2020

Score-450

Technical Experience

Machine Learning Intern

- Gained hands-on experience with key machine learning concepts, including supervised and unsupervised learning, model evaluation, and feature engineering .
- Collaborated with mentors and peers to enhance problem-solving skills and develop efficient models using Python.

IBM-Mastering Data With Machine Learning Internship

- 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

Traffic Control Optimization | *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.

Transformer-Based Efficient Gaze Estimation | *Python, Google Colab*

April 2025

- The Objective is, detailing steps for predicting gaze targets accurately and improving model performance for iterative enhancements.
- An Efficient GazeFormer model using a Swin-Tiny backbone is fine-tuned with AngularLoss on the GazeFollow dataset, applying data-efficient strategies like lightweight attention mechanisms, mixed-precision training, and dataset split optimization.

Skills

Programming Languages: Python, Java.

Core Domain Skills: Machine Learning, Deep Learning

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

Tools: Microsoft Office , VS Code , Jupyter Notebook , Github , Google Colab

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

Courses and Certifications

- Course Completion Certificate in The Joy of Computing Using Python - NPTEL
- Course Completion Certificate Privacy and Security in Online Social Media - NPTEL
- Certificate Of Participation in Common Internship Test - Internship Studio
- Completion Certificate of The Agnirva Space Internship Program - Fast Track
- Learning Plan for Mastering Data with Machine Learning Internship on IBM Skills Build (2024).
- Course Completion Certificate in Machine Learning with Teachnook in collaboration with Cognizance'24 IIT Roorkee
- Certificate of Internship Completion on Machine Learning from Btech Walleh, in association with Teachnook.

Co-Curricular Activities

- Actively participated in Youth Empowerment And Skills workshop (YES!+) [2023].
- Actively participated in college events as a member of the dance crew, contributing to team performances at two induction fests and two traditional day celebrations [2023 and 2024].
- Performed at the College Athenes event, showcasing creativity and teamwork through choreography and execution [2024].