

Hemanth Nagulu

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🏠 HemanthNagulu 📍 Salur Andhra Pradesh - 535591

Personal Summary

Motivated and detail-oriented Computer Science graduate with a strong foundation in Python, Data Analysis, Machine Learning, and Data Visualization. Passionate about leveraging AI/ML techniques to solve real-world problems and drive data-informed decisions. Known for strong analytical thinking, problem-solving ability, effective communication, and a collaborative mindset. Eager to contribute and grow as an AI/ML Intern in a dynamic, innovation-driven environment.

Education

KL University - B.Tech in Computer Science(AI-MI) - GPA: 9.02	2020 – 2024
Sasi Junior College -MPC - GPA: 9.04	2018 – 2020
Bhashyam High School - SSC - GPA: 9.5	2017 – 2018

Projects

Machine Failure Prediction using Machine learning Algorithm

- Built ML model to predict equipment failures using sensor data (temperature, torque, RPM)
- Engineered features and optimized Random Forest/XGBoost with 18 percent F1-score improvement
- Tools Used:Python, Scikit-learn, Pandas, Exel

Finance sentiment Analysis using NLP

- Built an end-to-end NLP web application using a Bidirectional LSTM model vectorized with word embeddings to analyze and predict sentiment from financial news.
- Trained the model using labeled financial news data to classify the sentiment as Positive, Neutral, or Negative.

BlinkIt Sales Analysis Dashboard Using Power BI

- Developed an interactive sales dashboard in Power BI to analyze Blinkit's business performance.
- The dashboard provides insights into total sales, average sales, outlet performance, item categories, and customer ratings.
- Dynamic filtering by outlet size, location, and item type

BlinkIt Sales Analysis dashboard Using Excel

- Developed dynamic dashboards using Excel to track and Sales usage patterns across various days.
- Used pivot tables and charts to visualize key metrics like daily sales, top-selling items, and customer trends.

Skills

Languages : Python, Oracle SQL, HTML

Data Analysis and Machine Learning : NumPy, Pandas, Scikit-learn, Matplotlib, Seaborn, keras

Data Visualization Tools : Excel, Power BI

Data Processing : Data Cleaning, Exploratory data analysis

Version Control: Git, GitHub

Certifications

Data Science - Dr Reddy's Foundation

Applied Machine Learning in Python - Coursera

IBM Machine Learning - LinkedIn Learning

Work Experience

AICTE AI-ML Virtual Internship

Completed a government-approved internship focused on Artificial Intelligence and Machine Learning, gaining hands-on experience in model development, data processing, and real-world applications.

Data Science Trainee

Undergone a 3-month intensive Data Science training covering Python, Statistics, Machine Learning and Data Visualization.

Research

A REVIEW ON HANDWRITTEN PATTERN RECOGNITION

Published a research paper on studies on Handwritten pattern recognition Techniques, presented at IJIRT conference.