



# Kareddy Nithish Reddy

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## SKILLS

### Machine Learning & AI:

Solid understanding of Artificial Intelligence and Machine Learning concepts, including supervised and unsupervised learning, model evaluation, and data preprocessing.

### Programming & Analysis:

Proficient in Python for data analysis, analytics, and machine learning using libraries such as Pandas, NumPy, scikit-learn, TensorFlow, and Matplotlib.

Proficient in writing SQL queries and managing relational databases using MySQL

### Data Visualization & BI Tools:

Experienced with Power BI and Microsoft Excel for data visualization, dashboard creation, and reporting to support AI/ML insights and decision-making.

### Collaboration & Teamwork:

Skilled in working on collaborative projects, promoting effective teamwork and shared success.

### Adaptability

Quick learner with strong adaptability to evolving technologies and project needs

## EDUCATION

Computer Science(AI&ML)|Malla Reddy University

(2021-2025) CGPA 8.50

Narayana Junior Collage (XII)

93.6%

Chanakya high school (X)

CGPA:93

## EXPERIENCE

### Machine Learning & Data Science Intern

Feynn Labs Services | Jan - Mar 2025

Gained experience in AI prototyping, market segmentation, and financial modeling using machine learning techniques.

### Projects:

Analyzed car buying patterns using clustering algorithms.

Built time-series forecasting models using historical data to predict future product demand.

Clustered EV manufacturers using sales data and regional indicators and visualized adoption trends across India.

**Skills:** ML, data analysis, clustering, forecasting, visualization

## ACADEMIC PROJECTS

### Gender Identification from Voice

Developed a system that extracts MFCC features from audio files and trains Gaussian Mixture Models (GMMs) for male and female voices. Classified the gender of test audio based on log-likelihood scores and calculated model accuracy.

### Deepfake Video Detection System

Python, PyTorch, ResNet-50, Flask, OpenCV

Built a deep learning-based system to detect deepfake videos by analyzing facial inconsistencies in video frames. Used transfer learning with ResNet-50 for binary classification and deployed the model via a Flask web app with real-time video analysis using OpenCV. Achieved reliable detection by aggregating predictions across frames using threshold-based classification.

## CERTIFICATIONS

- Machine Learning with Python – Coursera (IBM)
- Introduction to Artificial Intelligence – Infosys (Online)
- Python Data Structures – Coursera (University of Michigan)
- Introduction to Cloud Computing – Coursera (IBM)
- Microsoft Power BI Data Analyst –Coursera( Microsoft)
- Career Essentials in Software Development – Microsoft & LinkedIn
- B2 Certificate – CLMS