Kareddy Nithish Reddy

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SKILLS

- Programming Languages: Proficient in Python (Data Analysis, Machine Learning) and basic knowledge of Java.
- Data Analysis & Visualization: Skilled in using libraries such as Pandas, NumPy, Matplotlib, Power BI , Exploratory Data Analysis (EDA) and Microsoft Excel
- Machine Learning: Experienced in building and optimizing ML models
- Database Management: Strong understanding of MySQL for data storage and querying.
- Skilled in collaborative projects, fostering teamwork for shared success .
- Flexibility to learn new skills and work on.

EDUCATION

- Computer Science(AI&ML)|Malla Reddy University (2021-2025) *CGPA 8.50*
- XII |Narayana Junior Collage 93.6%
- X|Chanakya high school 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 a model to forecast product demand from historical data.
- Clustered EV manufacturers based on sales and market features.
- Visualized and segmented EV sales data across regions.

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

PwC Power BI Virtual Internship – Forage

- Completed 4 business-focused Power BI projects:
- Visualized Call Center Trends to improve operational efficiency
- Analyzed Customer Retention and churn patterns
- Tracked Diversity & Inclusion initiatives through custom dashboards
- Monitored Sales Performance with dynamic KPI-driven reports

Skills:Power BI, Data Analytics, Data Visualization

ACADEMIC PROJECTS

- **Gender-identification-from-voice**

  The system extracts MFCC features from audio files, trains Gaussian Mixture Models (GMMs) for male and female voices, and uses these models to classify the gender of test audio files based on log-likelihood scores, with the accuracy of the identification process calculated and printed.

- **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

- Coursera: Machine Learning with Python (IBM)
- Infosys: Introduction to Artificial Intelligence(online)
- Coursera: Introduction to Data Analytics(IBM)
- Coursera: Modern Data Warehouse Analytics in Microsoft Azure
- Coursera: Microsoft Power BI Data Analyst (Microsoft)
- Career Essentials in Software Development by Microsoft and LinkedIn
- CLMS: B2 Certificate