KEERTHI REDDY PAPAIAHGARI

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EDUCATION

University of North Texas, Denton, Texas   Jan 2024 – Dec 2025
Masters in Artificial Intelligence | GPA: 4.00/4.00

Matrusri Engineering College, Hyderabad, India   Sep 2020 - June 2023
Bachelors in Computer Science and Engineering | GPA: 7.38/10

INTERNSHIP & WORK EXPERIENCE

Accenture, Hyderabad, India   Oct 2023 - Dec 2023
Packaged app development associate

- Acquired comprehensive knowledge of Core Java principles, including object-oriented programming, data structures, and algorithms and Collaborated with peers and instructors to enhance problem-solving abilities.

Pantech E Learning, Hyderabad, India   May 2022 - June 2022
Advance Python Programming intern

- Developed a **heart disease prediction web application** using Python (Django), HTML, CSS and MySQL.
- Analysed ML techniques (KNN, Decision Tree, Logistic Regression, SVM) for heart disease prediction, achieving 85% accuracy, with Logistic Regression providing the highest accuracy.

PROJECTS

Vision-Enabled GPT Model Development: Fine-tuned Vision Transformer-based Captioning model to achieve a 2.8 validation loss and generated diverse captions for both local and URL-based images, improving caption quality and diversity by 50%.

Energy Consumption Forecasting with Linear LTSF Model: Implemented and trained a Linear LTSF model for energy consumption forecasting using the Appliances Energy Prediction dataset; achieved a RMSE of 1.0421 and MAE of 0.8385.

Exploring Global Data Science Trends: Explored the global impact of population demographics on data science demand and salaries by analysing Kaggle datasets with Python and visualizing trends using D3.js and Tableau; identified key correlations and regional variations in data science compensation.

Frustration detection on reviews using machine learning: Developed a machine learning model for detecting frustration in customer reviews using NLP techniques, achieving 91.4% accuracy with XGBoost, 87% with AdaBoost, and 88% with Naive Bayes.

SKILLS

Programming Languages: C, Python, Java, R

Tools/ Frameworks: HTML, CSS, Flask, Django, TensorFlow, PyTorch, Tableau, D3.js

Additional Skills: Machine Learning, NLP, Deep Learning, Data Analysis and Visualization

Soft Skills: Communication Skills, Teamwork, Time Management

CERTIFICATIONS & COURSES

- **"Machine Learning Specialization",** offered by **DeepLearning.AI & Stanford University**.
- **"R Programming"** course by Spoken Tutorial Project, IIT Bombay.
- **"Java Programming"** course by Spoken Tutorial Project, IIT Bombay.