**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.