

## R KARTHIK

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**Presently seeking a position with a company that offers opportunities for advancement into Technology Roles.**

## Summary

**Data Analysis & Visualization   Neural Networks   Data Analysis   Computational Linguistics**  
**AI/ML Framework   Python   Deep Learning   Model Development   Evaluation metrics**  
**Computer Vision   NLP   Data Preprocessing   Deep Learning   Cloud Platforms**

- **Proficiency in Python** to use data and draw insights from large data sets.
- **Data Preparation:** Preprocess the data, and analyze data to ensure that it is suitable for training AI models. This may involve data augmentation, feature selection, and addressing data imbalances. Perform statistical analysis and tune the results so that the organization can make better-informed decisions.
- **Design and Develop AI Models:** Design, implement AI models using machine learning algorithms, deep learning architectures (e.g., neural networks), and statistical techniques. Models that address specific business needs or problems, including defining technical requirements and selecting appropriate technologies.
- **Stay Up-to-Date with Industry Trends:** Continuously update knowledge of the latest developments in AI research, including new architectures, algorithms, and frameworks.
- **Fine-Tune and Optimize Existing Models:** Assess the performance of AI models using metrics such as accuracy, precision, recall, and F1 score. Optimize existing models using techniques for improved efficiency and scalability.
- **Natural Language Processing (NLP):** Work on NLP projects that involve text classification, sentiment analysis, language modeling, and other related tasks.
- **Collaborate with Cross-Functional Teams:** Work closely with data scientists, product managers, software engineers, and other stakeholders to understand business requirements and develop AI-powered solutions that meet those needs with tight deadlines.

## Projects

### 1. Twitter Sentiment Analysis | [LINK](#)

- Developed an AI models that predicts the sentiments of the tweet with positive or negative.
- Built RNN-based, Classification-based and Transformer models using Python, TensorFlow, Scikit-learn etc.
- Used techniques like TextBlob, data preprocessing, EDA and hyperparameter tuning for optimal performance.
- Achieving ~80% accuracy in predicting the sentiments correctly.

## Qualification

<b>PG diploma in Business Marketing</b> (Equivalent to E-MBA)	Xaviers, B-School	Scored 77%	2015
<b>B.Tech. (Electronics &amp; Communication)</b>	MIT College, Hyderabad	Scored 69%	2008
<b>XII</b>	Nalanda College, Adilabad	Scored 83%	2004
<b>X</b>	CRR Memorial School, Adilabad	Scored 81%	2002

## Personal Details

**Date of Birth** : 18th of March.  
**Languages known** : Telugu, English & Hindi.

### **Key Skills**

- A strong aptitude for mathematics, particularly algebra and statistics.
- Familiarity with both machine learning and deep learning frameworks.
- Familiarity with cloud platforms like AWS, Google Cloud, or Azure for AI model deployment.
- Familiarity with code management using Git
- Secondary Skills
- Data Analysis, Data Visualization (Tableau, Matplotlib, Seaborn etc.)
- Leveraging in Natural Language Processing, LLMs, Image Processing.
- Excellent communication and collaboration skills. Good at MS Excel and PowerPoint Presentations.
- Ability to work in a fast-paced environment and manage multiple projects simultaneously
- Experience with Scikit-Learn, Keras, PyTorch, and TensorFlow in building multilayer NNs, etc., and other ML libraries.

**(KARTHIK R)**