

NEERAJ KUMAR

AI/ML & NLP Engineer

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SUMMARY

AI/ML & NLP Engineer with expertise in Artificial Intelligence, Machine Learning, Deep Learning, and Data Science. Proficient in building predictive models, recommendation systems, and NLP-driven applications. Skilled in Python, TensorFlow, PyTorch, Scikit-learn, and Hugging Face with experience in text processing, vector databases, and advanced deep learning architectures. Strong knowledge of data analytics, statistical modeling, and big data processing. Passionate about leveraging AI to develop innovative solutions for real-world challenges while optimizing model efficiency and scalability.

SKILLS SUMMARY

- **Languages:** Python, SQL, R
- **Frameworks:** Pandas, NumPy, Scikit-Learn, Matplotlib, TensorFlow, OpenAI
- **Platforms:** PyCharm, Jupyter Notebook, Visual Studio Code
- **Soft Skills:** Analytical Thinking, Problem-Solving, Communication, Team Collaboration, Adaptability

EDUCATION

K.R. Mangalam University

Haryana, India

Bachelor of Technology in computer science engineering | GPA: 7.5

August 2022 - June 2026

PROJECTS

Quora Duplicate Question Pair Detection | [LINK](#)

- Developed a machine learning model to detect and classify duplicate questions on Quora using NLP & Deep learning techniques.
- Implemented TF-IDF, word embeddings, and Siamese networks (LSTM/BiLSTM) to enhance text similarity detection.
- Achieved high accuracy by optimizing the model with feature engineering and advanced classification algorithms.

Restaurant Recommendation System | [LINK](#)

- Built a restaurant recommendation system using machine learning and NLP.
- Implemented collaborative filtering and content-based filtering for personalized suggestions.
- Analyzed user preferences, reviews, and ratings to enhance recommendation accuracy.
- Deployed the system using Flask and Streamlit for an interactive user experience.

Indian Startups Ecosystem Analysis | [LINK](#)

- Analyzed the Indian startup ecosystem using data analytics and visualization techniques.
- Identified trends in funding, industry growth, and regional startup distribution.
- Used Python, Pandas, and Matplotlib to explore and visualize startup data.
- Extracted insights on investment patterns, unicorn startups, and market dynamics.
- Presented findings through an interactive dashboard and detailed reports

HACKATHONS & COMPETITIONS

Hack KRMU 4.0

- Developed an AI/ML-powered solution to address real-world challenges.
- Focused on innovation, scalability, and efficient model deployment

Code the Web: From Scratch to Launch

- Designed and developed a web application from scratch.
- Integrated frontend and backend for a seamless user experience.