Shakil Ansari

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About

Entry-level data scientist with a Mechatronics and Life Sciences foundation, seeking to apply advanced ML techniques in NLP, time series, and deep learning to build innovative solutions.

Projects

Abstractive Dialogue Summarization using Transformers   [Try Live Demo]
- Fine-tuned FLAN-T5 on the DialogSum dataset to generate abstractive summaries from multi-turn dialogues using prompt-based sequence modeling.

Domain-Specific NLP: Indian Recipe Generation   [Try Live Demo]
- Developed a prompt-based NLP model for Indian recipe generation, mastering dataset preparation and fine-tuning for domain adaptation and text generation.

Fake News Detection (GloVe + LSTM)   [Try Live Demo]
- Classified headlines using word embeddings and deep learning.

Lyrics Generator (RNN-LSTM)   [Try Live Demo]
- Developed a character-level LSTM sequence model for generating diverse song lyrics.

Movie Recommendation (IMDB)   [Try Live Demo]
- Built a collaborative filtering system for personalized suggestions.

Stock Forecasting (ARIMA/SARIMA):   [Try Live Demo]
- Predicted stock trends using time series models with seasonal analysis.

Stellar Object Classifier   [Try Live Demo]
- Classified celestial objects using supervised ML models and neural networks on astronomical datasets.

- **Customer Segmentation (K-Means)** - Clustered users by transaction patterns

Experience

Educator, Vidhyanjali Rising Point, Delhi   **June 2019 – Present**
- Developed structured learning modules aligned with CBSE to enhance analytical thinking and performance.

Engineer Intern, Northern Indian Railways, Delhi   **Aug 2022 – Aug 2022**
- Observed manufacturing processes and systems; built a working Axle Box Temperature Sensor prototype.

Research Trainee, Abyom SpaceTech and defense Pvt. Ltd.   **June 2022 – Aug 2022**
- Performed collection and analysis of research papers and Planetary data on the topic of research

Education

Guru Gobind Singh Indraprastha University, B-Tech [Mechatronics Engineering]   **Oct 2020 – June 2024**
- GPA: 8.0/10.0

Indira Gandhi National Open University, B.Sc - Life Sciences [Botany]   **July 2018 – Sept 2021**
- GPA: 6.0/10.0

Certifications

Diploma in Data Science – Boston Institute of Analytics (BIA), 2025

IBM Data Science Professional Certificate (Coursera, 2025)

Technologies

Programming Languages: Python, R, JavaScript, SQL, HTML, CSS

Technologies: Jupyter Notebook, MySQL, GitHub, Power BI, Tableau, Excel(Advanced), Kaggle

Data Science: Machine Learning, Deep Learning, NLP, Statistical Analysis, Python(scikit-learn, numpy, pandas, matplotlib, PyTorch etc.), DSA