

Shakil Ansari

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About

Enthusiastic data scientist with roots in Mechatronics and Life Sciences, combining systems thinking with a passion for machine learning in NLP, time series, and deep learning to solve real-world problems.

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)

[\[Try Live Demo\]](#)

- Built a fake news classifier using GloVe embeddings and an LSTM network, achieving 95% accuracy.

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 SDSS-17 dataset, accuracy-97%.

Experience

Data Science - Intern, First Quadrant Labs, [Remote]

July 2025 – Sept 2025

- Developed ML models for fuel efficiency prediction (target MAE < 1.5) and stellar object classification (target accuracy > 90%) using Python, scikit-learn, and TensorFlow. Created data visualizations and reports using Power BI and Excel to communicate insights and support model evaluation.

Educator, Vidhyanjali Rising Point, Delhi

June 2019 – Present

- Developed structured learning modules aligned with CBSE to enhance analytical thinking and performance.

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, Git, Power BI, Tableau, Excel(Advanced), Kaggle, Hugging Face

Data Science: Machine Learning, Deep Learning, NLP, Time Series, Prompt Engineering, Statistical Analysis, Python(scikit-learn, pandas, matplotlib, PyTorch, TensorFlow etc.), DSA