SAGAR ORAGANTI

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 LinkedIn | GitHub | Portfolio

SUMMARY

Data Science postgraduate with hands-on experience in **Python**, **MySQL**, **Machine Learning**, **NLP**, and **Deep Learning**, focused on end-to-end workflows — from data cleaning and feature engineering to model evaluation and visualization for business insights. Skilled with **NumPy, Pandas, Scikit-learn, Matplotlib, OpenCV, TensorFlow**, and **Transformers (Hugging Face)**, with projects spanning **emotion recognition, fake news detection, and image captioning**.

TECHNICAL SKILLS

- **Languages:** Python, SQL/MySQL, Java(Basic)
- **Libraries & Frameworks:** NumPy, Pandas, Scikit-learn, Matplotlib, OpenCV, TensorFlow, Seaborn, Transformers (Hugging Face)
- **Core Skills:** Data Cleaning, Feature Engineering, Model Evaluation, NLP, Deep Learning,Machine Learning, Data Visualization
- **Tools:** Jupyter Notebook, Git, VS Code, MySQL, Power BI
- **Web Technologies:** HTML, CSS, JS

PROJECTS

Real-Time Emotion Recognition using Computer Vision — *View Project*

- Built a CNN-based pipeline for live video emotion detection; achieved **93% accuracy** on facial expression classification using FER-2013.
- Evaluated multiple architectures (RNN, CNN-LSTM, CNN-RNN, MobileNetV2) and classical baselines (SVM, KNN, Random Forest, Logistic Regression, PCA) to validate model performance.

Fake News Detection Using NLP & Transformer Models — *View Project*

- Fine-tuned **BERT** and **RoBERTa** for misinformation classification with robust text preprocessing and tokenization; achieved **96% accuracy** on benchmark datasets.
- Compared transformer variants and documented performance improvements for repeatable evaluation and deployment planning.

Image Captioning System Using Deep Learning — *View Project*

- Implemented a **vision-language captioning model** achieving **BLEU-4 score of 0.71** on the Flickr8k dataset.
- Standardized data handling and evaluation workflows for reproducibility across experiments and model checkpoints.

EDUCATION

- **M.Sc. Data Science (Pursuing)** — University Post Graduate College, OU Secunderabad *(2023–2025)*
- **B.Sc. Data Science** — Girraj Government College, Nizamabad — *CGPA: 7.78 (2020–2023)*
- **Kshtriya Junior College, Armoor** — MPC, *79% (2018–2020)*
- **Krishnaveni Talent School, Bheemgal** — SSC, *7.5 GPA (2017–2018)*

VIRTUAL INTERNSHIPS

- **Tata Forage — Data Visualization (Apr 2025)** — *View Certificate*
   Developed four interactive dashboards in **Tableau**, visualizing key performance indicators (KPIs) to identify major causes of workflow delays and improve efficiency.
- **Electronic Arts (EA) Forage — Software Engineering (Apr 2025)** — *View Certificate*
   Practiced backend engineering workflows emphasizing scalable design patterns and modular service decomposition.
- **Deloitte Forage — Data Analytics (Tableau, Forensic Tools) (May 2025)** — *View Certificate*
   Analyzed datasets to detect fraud indicators and presented findings through dashboard-based storytelling.
- **AWS Forage — Solutions Architecture (May 2025)** — *View Certificate*
   Designed cloud architecture solutions aligned with **AWS Well-Architected Framework** principles for hypothetical workloads.

CERTIFICATIONS

- **GeeksforGeeks** — *Python Full Course (Beginner to Advanced)* — *View Certificate*
- *AI & ML Jr. Telecom Data Analyst — ESDP (MSME, Govt. of India) (Aug–Oct 2024) — View Certificate*

INTERPERSONAL SKILLS

Team Collaboration | Patience | Self-Motivation | Responsibility

INTERESTS

Traveling | Web Research