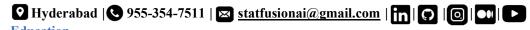
NARESH EDAGOTTI | DATA SCIENTIST



Master of Science in Statistics | Pondicherry University | Pondicherry | 2021 - 2023

- Proficient in statistical analysis and data presentation.
- Achieved a CGPA of 7.67.

Bachelor of Science in Mathematics, Statistics, and Computer Science | Government City College | Hyderabad | 2018-2021

• Achieved a CGPA of 9.03.

Work Experience

KONAM Foundation Data Scientist

October 2023 - Present Nalgonda, Telangana

- **Developed KF Write Perfect**, an NLP model using BERT and T5, to deliver grammar/vocabulary feedback to students. Achieved **90% accuracy**, improving language proficiency for **1,000+ students**.
- **Designed a bilingual AI chatbot** leveraging RAG and GPT-4, providing real-time crop management advice to 2,000+ farmers and promoting sustainable agricultural practices.
- Built and maintained 10+ interactive Power BI dashboards, enhancing reporting efficiency by 20% and enabling real-time program monitoring for education and agriculture initiatives.
- Led cross-functional collaboration with 10+ agriculture experts and education coordinators to align data-driven insights with organizational goals, driving program optimization.
- Authored and secured RFPs for a ₹3 crore CSR project, collaborating with stakeholders to fund regenerative
 agriculture efforts.
- Preprocessed and analyzed 100+ hours of voice data in Indic languages (Telugu, Hindi) for transcription/synthesis projects using tools like ffmpeg and demucs, ensuring high-quality outputs for dubbing workflows.
- Validated 50+ videos on the Hitloop Dubbing Platform, ensuring 95% accuracy in Hindi/Malayalam transcripts.
- Collaborated with field teams to ensure data accuracy and completeness, analyzing datasets to generate actionable insights for operational efficiency.
- Conducted workshops for farmers on using data-driven tools for crop management, improving adoption rates by 15%.

Projects

Crop Recommendation System

Github link

- Developed a machine learning-powered **Crop Recommendation System** to predict the most suitable crop for farmland using soil properties (NPK, pH) and climate factors (temperature, humidity, rainfall).
- Designed a user-friendly interface for farmers to input data and receive personalized recommendations, promoting datadriven decision-making and sustainable agriculture.
- Deployed the Crop Recommendation System using Flask, allowing farmers to access the model through a web application for seamless, on-demand crop suggestions based on real-time soil and climate data inputs.

Q&A Chatbot Github link

- Built a **Q&A Chatbot** using open-source large language models (LLMs) like Ollama and Groq within the **LangChain** framework for efficient query handling.
- Integrated a **Retrieval-Augmented Generation (RAG)** pipeline to provide accurate and context-aware responses to user queries.
- Deployed the chatbot using Gradio delivering an interactive and user-friendly interface for seamless engagement.

Technical Skills

- Programming languages: Python, R, SQL
- Machine Learning: Regression, Decision Trees, Random Forest, XGBoost, SVM, PCA, CNNs, RNNs, LSTMs
- NLP & GenAI: BERT, Transformer Models (GPT, T5), RAG Pipelines, Hugging Face Transformers, Ollama, Groq
- AI Agents & Frameworks: LangChain, CrewAI, TensorFlow, PyTorch, Flask, Streamlit, Gradio
- Data Analysis & Visualization: Power BI, SPSS, Excel, NumPy, Pandas, Scikit-learn
- Databases: MySQL
- Statistics: Hypothesis Testing, ANOVA, Time Series Analysis, Experimental Design, Multivariate Analysis
- Business Skills: Data Reporting | RFP Writing | PowerPoint Presentations
- Certifications: SQL and Power BI (Great Learning)

Achievements/Leadership Roles

- Achievements: District Level Gold Medal, Mathematics Talent Test.
- Lead: Led a team to organize and execute the University-Industry Institute Interface Program (IIIP) for the Department of Statistics, engaging 200+ students and ensuring seamless industry-academia collaboration.