

SATYA SAI ESARAPU

✉ esarapusathyasai603@gmail.com ☎ +91 9100248406 in [Linked](#) [GitHub](#) 📍 Hyderabad, India

Education

2017 – 2021

B.Tech – ECE, Rajiv Gandhi University of Knowledge Technologies, Nuzvid, Andhra Pradesh
CGPA – 7.38

Professional Experience

Jun 2021 – Nov 2021

Data Science Intern, Colan Infotech Private Limited, Chennai, India.

- Utilized data science tools and techniques to quickly familiarize with the company's data structures.
- Developed actionable insights from datasets by identifying trends, correlations, repeatable processes, and aiding senior leaderships' decisions.

Dec 2021 – May 2024

Data Scientist, Colan Infotech Private Limited, Chennai, India.

- Utilized text mining and Natural Language Processing (NLP) to derive essential insights from unstructured data, resulting in a 20% boost in product development efficiency.
- Developed and implemented an NLP model to tackle a complex customer feedback classification issue, leading to a 30% increase in client satisfaction.
- Ensured data integrity by maintaining datasets and resolving data-related issues for ongoing projects. Oversaw the entire lifecycle of machine learning models, from development to deployment, resulting in a 25% increase in production efficiency.

Skills

Programming

Python

Database

Chroma DB, Pinecone, MySQL, MongoDB.

Frameworks

Flask, StreamLit, Langchain.

Machine Learning

Scikit-learn, TensorFlow, Keras, Pandas, NumPy, PyTorch, Matplotlib, NLKT, Spacy, Transformers, Hugging Face.

Tools

AWS, PySpark, Git, GitHub, Docker, MS Office, Tableau.

Soft skills

Communication, Problem-Solving, Critical Thinking.

Projects

News Research Tool – Langchain, OpenAI, Streamlit: [🔗](#)

- Fetch article content by loading URLs or uploading text files with URLs. Use LangChain's UnstructuredURL Loader to process this content. Create embedding vectors with OpenAI's embeddings and use FAISS for quick and efficient information retrieval. Interact with ChatGPT by entering queries and getting answers with source URLs.

Talk to The Database – Langchain, MySQL, Google Palm, Streamlit: [🔗](#)

- An end-to-end LLM project, based on Google Palm and LangChain, builds a system that interacts with a MySQL database. Users ask questions in natural language, and the system generates answers by converting these questions into SQL queries and executing them on the MySQL database.

Water Quality Analysis – pandas, numpy, seaborn, plotly, Pycaret: [🔗](#)

- Analyzed water quality data with pandas, numpy, seaborn, and plotly for manipulation, visualization, and exploration. Used PyCaret to train machine learning models for predicting water quality. Combined data analysis and predictive modelling to ensure drinking water safety.

Achievements & Positions of Responsibilities

- Achieved LIC Student of the Year Award in 2014.
- Served as President at E-Crush, an organization dedicated to enhancing Student's English language skills and successfully organized over 15+ events.

Certifications

- Data Science and AI – dataminds.