

Vadlamudi Saketh Sri Harsha

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PROFESSIONAL WORK EXPERIENCE (3.3 Years)

TIGER ANALYTICS- Senior Analyst – Data Science May /2025 - Present (Hyderabad)

- Working on the development and **delivery of customer-facing**, Agentic AI-based RAG applications.
- Collaborated with cross-functional teams to define KPIs and growth metrics, improving user engagement.
- Built dashboards to monitor **LLM response quality**, and **user feedback loops**, aiding product strategy.

VALUELABS - Data Scientist || (Senior Software Engineer) Mar/2022 – May/2025 (Hyderabad)

- Developed a Machine Learning (ML) model for **Sentiment Analysis**, which accurately classifies customer reviews on products. Achieved 93% accuracy; insights were adopted by product stakeholders to refine customer messaging.
- Architected an **Advertisement Recommendation Platform** using collaborative filtering, achieving MAE of 0.79 and improving ad relevance, leading to a 20% increase in click-through rates.
- Deployed ML models using **AWS** services such as **EC2**, **ECR** and **SageMaker**, leveraging **Docker** for seamless containerization and scalability, while using reliability through robust cloud Infrastructure.
- Spearheaded **Python processes on Factory Design Mechanism**, reduced run time performance by 2x and 12% decrease in Campaign drop off rate.
- Implemented several **Python-based automations** for handling manual/regular tasks resulted in significant reductions of over 65 working hours monthly with notable recognition from stakeholders.
- Delivered 4 high-quality, scalable, and secure **Web applications using Django** framework by creating innovative, user-centric solutions that have consistently exceeded client expectations.
- Crafted and executed complex SQL queries to extract and analyze data from **Vertica Database & Google Big Query**, resulting in a 30% increase in data processing speed.

ADDITIONAL WORK

NATURAL LANGUAGE PROCESSING:

- Language Modelling [\[Link\]](#): Engineered a state-of-the-art language model using pre-trained advanced transformers like DistilBert, Bert2, fine-tuned on custom dataset for accurate prediction of top 10 masked word and seamless contextually rich text generation.

MACHINE LEARNING:

- Book Recommendation System [\[Link\]](#): Instigated a system using Collaborative Filtering to provide personalized top 5 book suggestions to users.
- Walmart Sales Forecasting [\[Link\]](#): Anticipated futures sales of Walmart using the Sarimax algorithm, delivering highly accurate forecasts with MEAP below 2.5.
- Car Price Prediction [\[Link\]](#): Enforced a system that predicts the price of used cars with an impressive accuracy of 94%. Utilized the Random Forest Regressor algorithm to make accurate predictions.

GEN AI:

- Chat With PDF [\[Link\]](#): Designed a RAG enabled conversational PDF reader using Langchain, enabling users to engage in AI-powered discussions with their PDFs.

EDUCATION

Executive Post Graduate Certification in Data Science and AI from IIT Roorkee	2024 - 2025
B.Tech in CSE from Narasaraopeta Engineering College (8.94 CGPA)	2018 - 2022

AWARDS & CERTIFICATIONS

- ValueLabs CEO Choice Award Winner 2024** [\(Link\)](#)
- AWS Cloud Practitioner (82%) [\(Link\)](#), Multiple Udemy Certifications
- AI for Everyone [\(Link\)](#), Python Data Structures [\(Link\)](#), Programming for Everybody [\(Link\)](#) (From Coursera)

SKILLS

- Languages : Python, SQL
- AI/ML: Machine Learning, Natural Language Processing (NLP), Transformers (BERT, DistilBERT), Generative AI, Retrieval-Augmented Generation (RAG) , LangChain, LangGraph
- Cloud Platforms: AWS (EC2, ECR, SageMaker, S3); Familiar with Databricks, Azure Data Lake
- Tools : PowerBI, Git, Unix, Docker, Jira, YouTrack
- Databases: Vertica, DBeaver, Google BigQuery, Microsoft SQL Server