Vadlamudi Saketh Sri Harsha

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PROFESSIONAL EXPERIENCE

VALUELABS - Data Scientist || (Senior Software Engineer 3.1 Years)   Mar/2022 - Present (Hyderabad)

- Developed a Machine Learning (ML) model for **Sentiment Analysis**, which accurately classifies customer reviews on products. Achieved an impressive accuracy rate of 93%, outperforming 3% of the existing algorithm in the business.
- 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

VALUELABS- Internship – RPA Developer   Dec /2021 - Mar/2022 (Hyderabad)

- Streamlined operations for Finance and HR departments by automating tasks using UiPath, reducing manual effort by one full day. Extracted data from authorized websites for specific business needed, significantly reducing data preparation time by 40%.

ADDITIONAL PROJECTS

NATURAL LANGUGAGE 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 masked word predictions 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 enlarge 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

- Programming : Python, SQL   Libraries : Sklearn, Pandas, NumPy   Database : Vertica, BigQuery
- AI: ML, NLP, Transformers, Gen AI   Visualization : Seaborn, Matplotlib   Utilities : AWS , Unix, Docker
- Frameworks : Django, Langchain   Version Control : SVN, Git   Issue Tracking : Jira, YouTrack