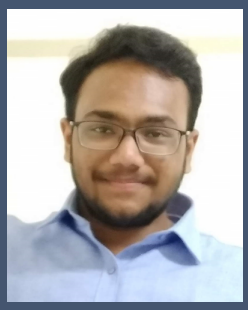
+91 8500373755
sastrysasi4@gmail.com
sai sasidhar
sastrysasi4
VIZAG

SAI SASIDHAR SASTRY GUGGILLA

DATA ANALYST | MACHINE LEARNING DEVELOPER



PROFILE SUMMARY

I acquired my undergraduate degree in Computer Science and Engineering from SRM University, Chennai. I enjoy examining data from real-world circumstances, which fuels my ambition to work as an analyst. I believe that using statistics and a rational approach, we can now solve any problem. I am also proficient in predictive modeling, data processing, and data mining methodologies, as well as several programming languages such as Python, C, and C++. I am also fluent in constructing, developing, testing, and deploying new models using machine learning methodologies to optimize the scenario. I wish to develop my skills and abilities through collaboration and working with trust.

CORE COMPETENCIES

Machine Learning , Artificial Intelligence, Predictive Modeling, Statistical Analysis, Data Science and Analytics, Data Visualization, Natural Language Processing, Voice and text analytics, Data Structures, Oracle

INTERNSHIPS

AI and ML Intern

Aug '23 - Present

Zelarsoft

Hyderabad

- Working on several text-generation models such as OpenAI, llama, falcon, and palm, as well as various agents, tools, and LLM integrations. LLMS, NLP, and data science techniques are used in the development and deployment of AI-based solutions. exhibited the ability to create, build, and test machine learning models for applications such as sentiment analysis, text summarization, and image identification.

Machine Learning Intern

Dec '22 - Apr '23

JUPPITER AI LABS

Online mode

- Developed a series of capstone projects for UpGrad students on various data science subjects such as EDA, Data Visualization, Probability Distribution, Hypothesis Testing, machine learning algorithms (SVM, random forest, etc.), Tableau, SQL, and Excel.
- We created a model that can recognize the Hebrew language from different handwritten scripts using OCR tesseract. This has a 99 percent accuracy rate and also translates it into English.
- Fine-tuning the ChatGPT to provide the customer with a full explanation of the desired product and integrating it into the client's website
- Using Yolo v5, we were able to construct a model that can determine a person's stance as well as the emotion they are experiencing based on how they are standing and moving.
- We conducted a survey on dog beds to better understand their market, earnings, and other company characteristics. In addition, we scraped a few websites to gather the data.

Data science and Machine Learning Intern

Jan '22 - Oct '22

PMX

Online mode

- Here, we have worked on creating a multi-modality imaging platform to measure the major vital organs and tissues of the whole body.
- collecting MRI images from various sources before finalizing them in formats such as NIFITI and DICOM. Then I resumed preprocessing using their values, vectors, and binary data, which is done by the path2self method.

- During the validation phase, we ran a rigorous EDA on the dataset to detect and remove outliers.
- In the model development, we have used different machine learning algorithms and deep learning algorithms, such as Dipy, Tensorflow, and Keras.
- Finally, we deployed the work in Docker, making it simple to integrate it into the pipeline.

Data Analyst Intern
Jan '22 - Feb '22

Quantium
Virtual Internship

- Understanding how Walmart's store designs, product offerings, pricing, and promotion sales have evolved to better meet the changing requirements and preferences of their customers.
- Analyzing data from multiple products in various areas to assess sales and discover relationships by analyzing the varied patterns and formats of the products
- Using SVM, Random Forest, and KNN algorithms, create a model to forecast sales for each product from each location. GridCV was used to determine the optimal parameters.

Data Analyst and Web Scraping Intern
Sep '21 - Mar '22

SHMT
Online mode

- I mostly worked as a web scraping intern here, where I extracted doctors' information based on their location, occupation, and experience.
- To extract the data, we used a variety of technologies, including Octapare, Selenium, BeautifulSoup, and a few Chrome scraping plugins. The information comes from approximately 5 lakh doctors' records.
- Finally, I examined data efficiency by cross-verifying websites. The data is then preprocessed to remove old information and outliers.

EDUCATION

SRM UNIVERSITY
May '23

B.Tech. Computer Science
Tamil Nadu, Kattankulathur

9.3 CGPA

FIITJEE
May '19

intermediate
Andhra Pradesh, Vizag

9.59 CGPA

Vijayam School
May '17

Xth Class
Andhra Pradesh, Vizag

9.8 CGPA

TECHNICAL SKILLS

- **Languages**: Python, C, and C++
- **OS**: Windows, Linux
- **Statistical tools**: NumPy, Pandas, MxExcel
- **Database**: MySQL, Oracle
- **Web scraping:** BeautifulSoup, Selenium, Octoparse
- **Data Visualization:** Mathplotlib, seaborn, Tableau
- **Machine Learning Tools:** Scipy, Scikit-learn
- **Deep Learning Tools:** TensorFlow, Keras
- **Cloud Platform:** Google Cloud Platform, Azure Cloud Service

PROJECTS AND EXPERIENCE

Chat With Your Data (Streamlit UI)

- It is an end-to-end document chat bot with UI here. we are using HTML files that contain information on Langchain that was scraped from the website as data.
- We use the Pinecone client server for vector DB, and Streamlit and Streamlit-Chat for UI and chat UI.

- We've also given the chatbot memory, so it can recall earlier conversations. which is ConversationalRetrievalChain.

Indian Flight Analysis

- I evaluated the prices of well-known airline carriers depending on their routes and travel dates here.
- On the dataset, data cleaning, data processing, and feature engineering are carried out. The price was then predicted using a Random forest.
- We also used data visualization to assess the price on different days and for various companies on the same routes.

Web Scraping

- I used Beautiful Soup to scrape the website Icliniq," from which we gathered information on doctors practicing in various disciplines all across the world.
- When I was a trainee at SHMT, we took information about doctors from the Practo and Galileohealth websites and used it to build a new website that could help us in an emergency.

Real-Estate price prediction

- We anticipate the price of a house or apartment based on its location, square footage, number of bedrooms, and bathrooms. We created a model for this purpose using a machine learning method. Including the model on the webpage.

ACCOMPLISHMENTS

- I participated in the BagCampus skill event in the DataScience domain and secured the second prize.
- I work for a startup company, APCAKARE," based on the COVID-19 information sharing website as a DataBase handler and web scraper.
- I have participated in iHUB Divyasampark, which is conducted by IIT Roorkee, where I have completed my Data Science and Machine Learning project

Publication

"Development of MRI Scalar Maps using DWI Images", Volume 10, Issue XI, November 2022, International Journal for Research in Applied Science and Engineering Technology .

The Best Paper in ICIOT23, the 4th International Conference, on the paper title "**Development a Classification model of Alzheimer's Disease Phases using the Architecture of Generative Adversarial Network**" is Submitted for **AIP Publication**.

ADDITIONAL INFORMATION

- **Languages Known**: English, Telugu, Hindi
- **Strengths**: Team Player, Ability to work under pressure, Problem solver, Quick learner, Organization Skills
- **Hobbies**: Watching Movies, Listening to music, Cooking, and traveling