

# SAI HARSHITHA

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## SUMMARY

Data-driven professional with expertise in developing advanced machine learning, deep learning, computer vision models, and neural networks. Skilled at tackling complex industry challenges and optimizing engineering processes through innovative technology solutions.

## EDUCATION

### Computer Science Engineering

RGUKT-Srikakulam

IIIT

Graduating 2024

8.9 GPA

Relevant coursework: DSA,Python,Machine Learning,AWS Cloud,Mongodb and SQL,WebScraping using selenium

## TECHNICAL SKILLS

**Programming:** Python,SQL,MongoDB,HTML,CSS,Javascript,React,AI/ML,WebScraping,Computer Vision,DL,NLP

**Frameworks:** FastAPI,Docker

**Devops & API Tools:** Git,Postman,Swagger

**Cloud & Security Tools:** AWS,Linux

## PROFESSIONAL EXPERIENCE

### Reyan Digital, : Software Developer

Jan 204 - present

- I specialize in leveraging AWS CloudFormation to orchestrate infrastructure, configure EC2 instances, and implement Auto Scaling for scalable and reliable application deployment. I also integrate AWS CloudFront for content delivery and manage S3 buckets for secure data storage
- Integrated MongoDB and DocumentDB databases, leveraging web scraping techniques to gather and analyze data.

### GYTWorkz, : Machine Learning Intern

Sep 2023 - Jan 2024

- Develop innovative solutions using advanced algorithms to analyze visual data, providing businesses with real-time insights into customer behavior through machine learning models.
- Conducted comprehensive data analysis and extracted actionable insights to drive strategic decision-making processes, leveraging practical experience with computer vision and OpenCV models.

## PROJECTS

### ChatBot-Alden GPT

Created Python NLP models for sentiment analysis and entity recognition, and deployed ML models

- Developed Python-based Natural Language Processing (NLP) models leveraging machine learning techniques,such as sentiment analysis and named entity recognition, to extract insights from unstructured text data.
- Implemented Machine Learning models on the AWS infrastructure to automate tasks and enhance decision-making processes.

### Colony Counter

Designed a Colony Counter with YOLOv8 for accurate detection of colonies in Petri dishes under diverse conditions.

- Colony Counter to detect the No.of colonies in a Petri Dish upon critical conditions which includes color,shape and lighting conditions.Utilized ML,Computer vision models,YOLOV8 (semantic search and object detection)

### SimpleGhar-Affiliate Website

Its is a price tracking tool using Python,to fetch the realtime price of Amazon Products.

- It is a price tracking website which is used to compare the prices of products from last year and suggests whether we have to buy the product or not,providing visual price details.Used DocumnetDB database to store product records.
- Utilized the Keepa API,scraper and PA API for feteching the product details.Used AWS EC2 for compute, S3 for storage, CloudFront for content delivery, and auto-scaling for scalability