

Sai Kiran Guntreddi

Machine Learning Engineer

WORK EXPERIENCE (4-5 YEARS)

AUGUST 2022 – PRESENT

Zycus

Associate Tech Lead - ML (Gen AI)

Built ML model to classify the columns of a header less table. Worked on table structure detection in invoice for border-less tables. Conducted thorough data analysis and feature engineering, enhancing model accuracy in customer segmentation projects. Implemented various transformers based research papers for verifying the compatibility of complex invoice data extraction. Currently working on Gen AI and have completed 2 POCs.

JULY 2020 – AUGUST 2022

Tata Consultancy Services

Machine Learning Engineer

Developed ML models to replace rule-based methods and improved performance by reducing manual intervention. Developed pipelines for consuming ML model as API using SAP DI. Dynamic pipeline changes without downtime and automated model retraining in production. Worked on large data-sets with various anomalies. Conducted A/B testing to evaluate model performance and enhanced algorithms.

JANUARY 2020 – APRIL 2020

Tata Consultancy Services

Intern - Machine Learning

Developed ML models to forecast maintenance cost and machine failure rate.

EDUCATION

2016 – 2020 **Information Technology**
BACHELOR OF TECHNOLOGY
GRIET, Hyderabad

2014 – 2016 **Intermediate, M.P.C**
Narayana Jr College, Hyderabad

CERTIFICATIONS

NPTEL - Programming Data structures and Algorithms using Python

NPTEL - Introduction to Machine Learning

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TECHNICAL SKILLS

LANGUAGES	Python, C, SQL
LIBRARIES	Pandas, Numpy, matplotlib
FRAMEWORKS	Keras, TensorFlow, scikit-learn, Open CV, NLTK, Open AI, Flask
PLATFORMS	SAP Data Intelligence, AWS
UTILITIES	Jupyter, Visual Studio, Quip, JIRA, GitHub, Docker
GEN AI	Prompt Engineering, Fine Tuning LLMs, LangChain

PUBLICATIONS

- A Data Science View on Effects of Agriculture Industry Sector on the GDP of India
- Development of a Surveillance System for Forest Fire Detection and Monitoring using Drones

ACHIEVEMENTS

Multi Drone Surveillance system for Detection of Forest Fires (using Image Processing)

- The project proposes the development of an aerial surveillance system for detection and tracking of forest fires using drones
- CNN and Transmission Protocols
- Funded by IEEE-GRSS (6000 USD) and is one among the three selected projects around the world

EXTRA CURRICULAR ACTIVITIES

- Organizer - "Pedagogical Training on Outcome Based Education" by AICTE-ISTE