



Jagadish Reddy R

Lead Solutions Engineer L3

Developer with excellent problem-solving skills and
Passionate about Data Science and AI



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MADANAPALLE



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SKILLS

Machine Learning: Supervised
and unsupervised learning,
feature engineering, model
selection, hyper parameter
tuning.

MLOps:
GitHub Actions, Airflow, CI/CD
pipelines, Docker, Kubernetes.

Programming: Python,
TensorFlow, scikit-learn,
PyTorch.

Cloud Services:
S3, EC2.

AWS

Data Tools: Pandas,
NumPy, SQL.



WORK EXPERIENCE

Lead Solutions Engineer

IBS Software

08/2022 - 02/2023

Search relevance and Ranking in Expedia group

Bangalore, India

Achievements/Tasks

- Being a Lead solutions engineer, My role is to work closely with solution architects to deploy an optimum ML model as per client requirements.
- Most work is related to search relevance and Ranking the searches from the customer In Expedia site or a mobile app with the help of various machine learning models to provide best possible outcome

Tools used : Github, Jenkins, docker, Git ML

Lead Solutions Engineer

IBS Software

02/2023 - Pre

PEAK ML Team in Expedia group

Bangalore, India

Achievements/Tasks

- developed end to end ML model along with MLOps for Room type mapping
- Most work was related to Developing ML model which identifies and maps rooms according to the competitors of Expedia

Tools used : Github, Github actions, Airflow, Docker

WORK EXPERIENCE

Technology Analyst Infosys Limited

12/2021 - 07/2022

Hyderabad, India

Intelligent Fraud Detection System

Achievements/Tasks

- Collaborated with Bank of America to develop an intelligent fraud detection system using state-of-the-art machine learning algorithms.
- Implemented data preprocessing, feature engineering, and model selection processes to enhance fraud detection accuracy by 20%.
- Orchestrated the deployment of the model into production using GitHub Actions for automated testing and deployment.
- Utilized AWS S3 for secure data storage and retrieval, ensuring compliance with data privacy regulations.

Tools used : GitHub Actions, Airflow, CI/CD pipelines, Docker, Kubernetes.

Senior Systems Engineer Infosys Limited

09/2020 - 12/2021

Hyderabad, India

Heavy Machinery Maintenance Optimisation for BHP

- Collaborated with BHP, a global leader in the mining and petroleum industry, to optimize heavy machinery maintenance processes.
- Developed machine learning models to predict machinery maintenance needs, reducing downtime and saving costs.
- Implemented a robust MLOps pipeline using GitHub Actions and Airflow for automated model training, validation, and deployment.
- Managed and analyzed large datasets stored in AWS S3 to provide actionable insights for maintenance schedules.

Systems Engineer Infosys Limited

07/2018 - 09/2020

Predictive Maintenance for South California Edison

- Led a team to develop a predictive maintenance solution for South California Edison, reducing downtime by 15%.
- Designed and fine-tuned machine learning models for predictive maintenance using Python, scikit-learn, and TensorFlow.
- Implemented an MLOps pipeline using Airflow for model training, validation, and deployment, resulting in improved model accuracy and reliability.
- Automated the data ingestion process from AWS S3, ensuring real-time updates for the predictive maintenance system.

EDUCATION

Bachelors In technology MohanBabu University

04/2014 - 06/2018

Tirupati, AndhraPradesh, India

Courses

- ECE
- Project: Multi Directional Capturing

PERSONAL PROJECTS

Exploratory Data Analysis of Restaurants in Bangalore

- Data Set Used is derived From Kaggle.
- Used Different Python Libraries like Pandas, Numpy, Plotly etc.,
- Performed EDA on every aspects with Graphs.
- Analyzing Reviews and perform sentimental analysis.