Pulipati Akhil

https://pulipatiakhil.github.io

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SKILLS

PROGRAMMING
C,C++
Python and iPython Notebook
SQL and NoSQL
JavaScript, HTML, and CSS

MACHINE LEARNING
Regression
Classification
Support Vector Machines
Naive Bayes
K-Nearest Neighbors
Decision Trees
Clustering
Deep Learning
MLops

SOFTWARE
PostgreSQL
Amazon Web Services
PySpark and Hadoop
Git and Github
MongoDB
Neo4j
Tensorflow
Keras
ScikitLearn
Prophet,Kats,statsmodels
Tableau(Basic)

EDUCATION

M.TECH, MACHINE LEARNING
CMR Colege Of Engg And Tech.
Aug 2020 | Hyderabad
Thesis: Detection of Target Spot Disease
Using Computer Vision(CNN)

B.TECH, CSE
University College of
Engineering, KU
Jun 2017 | Kothagudem

LINKS

Github:// **pulipatiakhil**
LinkedIn:// **Pulipatiakhil**
Twitter:// **@akhil_pulipati**
website:// **akhil_pulipati**

EXPERIENCE

MENON & MENON LTD | Data Scientist
Apr 2022 – Mar 2023 | Kolhapur, Maharashtra

- Material Price Analysis & Forecasting
  - Built an **Ensemble Model** to forecast the weekly price of 4 Major materials for the next 2 months to take strategic procurement decisions
  - The Model gives **MAPE** of 2% and **RMSE: 1** and saved the company around **Rs.1.5 million** and estimated to save **Rs.3 million** this year
  - Suggested alternate materials based on analysis of material prices and expenditure which could save an estimated **Rs.5 Crores** Per Annum
- Charge Mix Optimizer
  - Developed a Charge Mix optimizer and deployed it to a server using flask
  - This helps in optimizing the cost of charge mix where the procurement team will update the daily or weekly material price
  - the production team will consume the result of the optimizer
- Health Care Product
  - Implemented a Rule-Based **Chatbot** using Whatsapp business API for the data collection from patients
  - Developed a **Deep Learning** Model to detect few food items as part of smart tiffin box Project(MVP)
- Production Planning Optimization
  - Built an Optimizer Considering Various internal metrics to optimize production plan
  - The Complete orders received are provided as input and the orders to be taken based on priority are given as output
- CouCou:A Social Network For Food Lovers
  - implemented backend APIs for CouCou Application
  - Maintained Complete AWS infrastructure and used Various AWS services

EWIG TECHNOLOGIES | Data Scientist
Jan 2021 – Apr 2022 | Hyderabad

- Developed end to end scalable forecasting solution for **Firstshift.ai**
- Implemented a **Flask** application to Forecast thousands of SKUs at once
- Implemented **Self-Supervised Learning** based **Hyper Parameter Tuning**, instead of general Grid-based approach which reduced the overall processing time by 60 times
- Undergone training on **Supply Chain Management** from SCM Leaders

SERMENT CORPORATE SERVICES PVT LTD. | Python Developer
Sep 2017 – Sep 2018 | Hyderabad

- Worked on web development, responsible for the backend
- Worked on Mysql, flask, jinja, gunicorn,pycharm Stack

CMR COLLEGE OF ENGG & TECH. | Teaching Assistant
Aug 2019 – Dec 2020 | Hyderabad

- Assisted a professor in Machine Learning Course for final year Students in doubt clarifying sessions
- Implemented a model which can **detect** Target Spot disease on cotton crops Using neural networks(**CNN**)
- Implemented a Machine Learning Model using **K-Means** for the **Clustering** of Companies listed in the stock market to build a diversified portfolio.