VINOD RAJA KONDALA

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Professional Summary

- Over 6+ years of experience in the field of Data Analytics solving business use cases to provide data analysis and insights using various data science/ML problems.
- Used Machine Learning Algorithms like various ensemble models like random forest, gradient boosting.
- Worked on NLP (Natural Language Processing) projects using TensorFlow.
- Built deep learning models using CNN for computer vision.
- Work on data preprocessing and feature engineering techniques on datasets
- Used transfer learning for object detection using yolov5 models.
- Implementation of model using TensorFlow and Python.
- Used IDE's like PyCharm, Visual Studio Code
- Troubleshooting errors in Python code from error logs.
- Good understanding of various databases like MySQL, PostgreSQL, Sybase and MSSQL
- Well versed with service management processes for Incident management, Problem management and Change management.
- SQL for data analysis, data verification, and ad-hoc reporting

Professional Experience

Associate Consultant, Data Intensity LLC
Aug, 2017 – Present
Hyderabad, Telangana, India

Projects:

Churn Prediction: Developed a machine learning model using ensemble methods like random forest and gradient boosting to predict customer/employee churn for Organizations. Conducted feature engineering, data preprocessing, model building, and evaluation to achieve an accuracy of 85% and helped the company in implementing retention strategies.

Text Classification: Successfully solved a clustering-based problem on employee feedback survey data by transforming it into a multi-class classification task using LinearSVC, LSTM and TensorFlow. Achieved improved accuracy and insights from the model's predictions.

Pothole Detection: Implemented pothole detection using transfer learning with YOLOv5 models for a transportation authority to identify potholes on roads. Fine-tuned the pre-trained model using TensorFlow and achieved a high accuracy of 95%, enabling timely repair and maintenance actions to enhance road safety and infrastructure management.

Sales Forecasting: Developed a time series forecasting model using ARIMA and LSTM algorithms to predict sales for an e-commerce company. Conducted data analysis, feature

engineering, and model evaluation, resulting in improved demand planning and inventory management.

Incident Analysis: Used SQL for data analysis and ad-hoc reporting to analyse incident data for an IT services company. Conducted root cause analysis, identified trends and patterns, and provided recommendations to reduce incident volume and improve service quality.

Skills:

- **AI/ML :** Ensemble models , Linear and Logistic regressions, Times Series , CNN, RNN, LSTM , FFNN, transfer learning/ pretrained models , Clustering models, Numpy , Pandas, Scikit learn, scipy, Labelme, Labelimg annotation tools, Recommendation systems, SPacy, data preprocessing ,data cleaning ,EDA
- **API**: FastAPI, Flask
- **Frameworks**: LangChains
- **Platforms**: Docker
- **Frontend**: HTML5. CSS, Bootstrap
- **Programming:** Python, basic R, Java Script, Linux Shell Scripting
- **Data Streaming** : WebSocket's and Apache Kafka
- **Cloud Platforms:** Azure , AWS, OCI
- **Databases**: MySQL, PostgreSQL, MSSQL, Sybase, MongoDB
- **Visualization tools**: PowerBI,Tableau Matplotlib, Seaborn

Education:

- M. Tech, Power Systems Engineering, National Institute of Technology (NITW) Warangal, July 2015 to July 2017
- B. E, Electrical & Electronics Engineering (EEE), Anil Neerukonda Institute of Technology & Sciences (ANITS), Visakhapatnam, June 2010 to June 2014