

SRI SAI TEJASWINI ARLAGADDA

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SUMMARY

- Currently, working as a Cognitive Engineer at Wipro Technologies, after working in varied roles across IT in my 6 years of experience of which 2 years constitute of my role as Cognitive Engineer and 1 year as Python Developer.
- Expert in Machine Learning Algorithms (both supervised learning and unsupervised learning).
- Base Language was mainly Python resulting in a good experience and grip on the language.
- Exposure of python packages include scikit-learn, numpy, pandas, nltk, tensorflow, SpaCy, matplotlib, dash, plotly etc.,
- Worked on Data Visualization and feature engineering as well.
- Expert in Natural Language Processing, with an exposure to Sentiment analysis, text mining etc.,
- Familiar with Named Entity recognition algorithm.
- Worked on different deep learning models like RNN, LSTM, CNN etc.,
- Exposed to recommendation systems and dimensionality reduction algorithms
- Have a good Knowledge on R, PostgreSQL, Java etc.,
- Agility to learn and work with new technologies at short notice.
- Exposure to varied roles in IT industry. Worked as Cognitive engineer, Data engineer, Python developer and also as a tester.
- Exposure to entire Software Development Life Cycle.
- Smart working with a zeal for personal and professional growth.
- Strong analytical & problem-solving skills. Quick learner.
- An excellent team player with an ability to meet tight deadlines.

SKILLS

Programming Languages: Python, R, Core Java

Machine Learning Algorithms: Supervised & Unsupervised Algorithms, Ensemble methods

Deep Learning: ANN, RNN, LSTM, CNN

Natural Language Processing: Text mining, Text Classification, Sentiment Analysis

Feature Engineering: Feature Extraction, Feature Selection and Dimensionality Reduction

Data Visualization Tools: Dash, Plotly, Matplotlib

Databases: PostgreSQL, SQL

CERTIFICATIONS:

IBM Watson Application Developer V3.1

IBM Watson v4 Developer

EDUCATION

Degree Title with Branch	College/University	Year Of Passing
Bachelor Of Technology in Mechanical Engineering	Jawaharlal Nehru Technological University, Hyderabad	2015

EXPERIENCE

Project Name: Migration To Airflow, MBRDI

Project Abstract:

Mercedes Benz Research and Development India, works on providing innovative/optimized solutions by managing and processing the data, obtained using the sensors/equipment of the Mercedes-Benz vehicles, on road.

Responsibilities:

- Migration of the workflows (used for big data processing) from Oozie to Airflow.
- Parallelizing the steps (tasks) to attain maximum usage of nodes and the shortest possible time.
- Adding new features to either Develop/ Master branch based on requirement.
- Debugging the scenarios in the classic process and employing the code to be suited for Airflow.
- Reporting to the onshore team about the design and development of the new features.
- Providing hotfixes in the minimum possible time to efficiently streamline the data to the concerned teams.

Project Name: Classification in Chat bot, DEM Plastics

Project Abstract:

DEM Plastics provides its customers with varied collections of Plastics and Steel materials for industrial usage. With a varied range of plastics available in the market along with the difference in its purposes and usage, DEM Plastics has decided to provide all this information to the user via Chat bot.

Responsibilities:

- Analyzing and understanding the Business requirements.
- Data Analysis & Data Cleansing
- Preparation of the data

- Continuous interaction with the team to come up with a multiclass multilevel classification approach to increase the efficiency from initial 68%, obtained by creating the chat bot using LUIS.
- As the problem incorporates Natural Language Processing as well, it is further decided to come up with the suitable solution out of the multiclass multilevel classification scope, down the line it turned out to be NER.
- Effective implementation of the algorithm to the provided business data.
- NER has resulted in 65% accuracy.

Project Name: Financial Impact of COVID on Companies, Wipro

Project Abstract:

During the COVID situation, it is widely known that the industries across have been impacted. And information on the impact on each industry individually has been provided. But, the effect on each company couldn't be guessed as easily as the presence of each company varies across the industries and regions. The objective of this project is to estimate and predict the financial impact of COVID on different companies.

Responsibilities:

- Analyzing and understanding the Business requirements.
- Predictive analysis of the COVID Financial information.
- Used Clustering algorithm to group the impacted business into 3 groups to classify them as Type I, Type II and Type III business.
- Created separate models for each of these groups.
- Creation of Dashboards, using Python modules - Plotly and Dash.
- Story telling through the created Dashboards to convey the results to the end user.

Project Name: Intelligent Automation of Service Solution, Health Plan Services

Project Abstract:

Health Plan Services provides an end-to-end business process Outsourcing solutions to insurers. Insurers include individual and groups with the voluntary and association plans.

Responsibilities:

- Architecting the template for the workflow, to break down the application to multiple parts, thereby creating a black box on the front-end application.
- Designed and created an NER application for language processing specific to this domain.

- Creation of the sub workflows using Mimictron tool on Holmes Automation Studio, a personalized automation tool developed by Wipro Technologies.
- Fixing the bugs post the application testing.

Project Name: PI Remediation, Thames Water

Project Abstract:

Thames Water is one of the top six water supplying companies across Europe. And it is decided that all the water supplies should be metered. OSIsoft PI applications and interfaces, with the variations in servers, are to be upgraded to use as enterprise data historian for real time data.

Responsibilities:

- Understanding business requirements.
- Brain storming with the team for improvisations on the enhancement features.
- Development of the features to enhance the application for the new version created.
- Unit testing the features before sending them for approval from onsite.

Project Name: Workday Services, FedEx Corp

Project Abstract:

FedEx Corporation is an American Multinational Courier Services providing services across countries and regions.

It has incorporated Workday Services to have their financial and human capital managed.

Responsibilities:

- Analyzing and understanding the Business requirements.
- Creation of Sample Test Data.
- Creation of Test Cases for different modules.
- Design and development of the automation scripts.
- Cross testing the developed automation scripts.
- Execution of Test Cases.

Project Name: Application Testing, FedEx

Project Abstract:

FedEx Corporation is an American Multinational Courier Services providing services across countries and regions. The services provided include ground, domestic, international and freight.

FedEx has created a standardized application System (Desktop/Online) to maintain the established system of quote generation for different zone delivery.

Responsibilities:

- Analyzing and understanding the Business requirements
- Test Case Creation and implementation.
- Execution of Regression test cases.
- Cross browser testing to check functionality and flexibility

DECLARATION:

I hereby declare that all the details mentioned above are true to the best of my knowledge.

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