



Saidivya Bhallamudi

Senior Quality Analyst Engineer



Professional Summary

Being an automation test developer for almost 8.7 years and working on Automation, ETL and Manual testings found that I have a passion for data and drawing new insights from data. Having passionate about data does not exactly co-relate with my professional background, I have always enjoyed observing human behavior and trying to make sense of our interactions with one another. The passion of data and understanding human behavior sparked my interest in Machine Learning and Artificial Intelligence.

- Possess solid knowledge of AI and machine learning concepts, and capable of translating the requirements into programs using Python.
- Having good communication and written skills.
- Strong background in Python.
- Excellent skills in mathematical areas like Linear Algebra, Calculus and Probability & Statistics.
- Worked on kaggle datasets on different Machine Learning models and Deep learning techniques.
- In-depth understanding of entire project development life-cycle and capable of coordinating with other software personnel for testing and debugging



Certifications

2020-04

Post Graduate Program(PGP) - Artificial intelligence and Machine Learning from NIT Warangal (Eduureka)



Machine Learning Project



Contact

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Skills

Languages : Python, Java, C and VB Script

Python Libraries : numpy, pandas, scikit-learn(sklearn), tensorflow, keras, nltk and django(basics)

Web Development : HTML5, CSS3, Bootstrap, Javascript, JQuery

Database : Oracle 10g, Teradata 12(Basics)

QA tools : QTP/UFT, Selenium(basics)

Manual test case preparation

Automation scripting

Problem solving skills

Forecast cab Booking Demand in City :

Cab booking system is the process where renting a cab is automated through an app throughout a city. Using this app, people can book a cab from one location to another location. Being a cab booking app company, exploiting the understanding of cab supply and demand could increase the efficiency of their service and enhance user experience by minimizing waiting time.

Objective of this project is to combine historical usage pattern along with the open data sources like weather data to forecast cab booking demand in a city.

Tasks Performed :

- Visualized data using different visualizations to generate interesting insights (seaborn and matplotlib were the python libraries used)
- Outlier Analysis (using boxplot graph and python code z-score)
- Missing Value Analysis (Analysed the missing data values like NA, null etc using pandas)
- Correlation Analysis (using seaborn-heatmap and python correlation matrix)
- Feature Engineering (pandas and numpy techniques)
- Grid Search (to optimize parameters for the model)
- Regression Analysis (analyzing the variation of output with the set of input variables used based on feature engineering)
- Ensemble Model (I used RandomForestRegressor ensemble model to determine the stochastic values)



Reinforcement Learning Project

Smart Cab (Self Driving Cab) :

The Smartcab's job is to pick up the passenger at one location and drop them off in another. Here is a list of things that they would love our Smartcab to take care of:

- Drop off the passenger to the right location.

- Save passenger's time by taking minimum time possible to drop off
 - Take care of passenger's safety and traffic rules
- Company also wanted to allow users to book a cab by sending a free text SMS containing source, destination and time of travel. Since SMS is a free text, different users can send same message in different ways.

Technologies :

Below are the technologies used :

- Python basics(for extracting the source, destination and time from the SMS sent by the passengers and sort them)
- Reinforcement Learning with Q-learning(for creating taxi-v3 environment using gym for getting the best action over time with maximum rewards.)



Work History

2017-05 -
Current

Senior Quality Assurance Engineer

Oracle India Pvt Ltd, Hyderabad, Telangana

Oracle Workforce Compensation provides users with an intuitive UI and faster way to allocate compensation across group of employees irrespective of department/location/BU/divisions /currency they belong to. Also offers comprehensive view of all components of pay such as merit /promotion increase, bonus, and incentives. Multicurrency feature supports global operations where employees can view their compensation in corporate currency, local currency or any chosen/preferred currency. Adding to the above features, embedded analytics give feasibility to compare budgets, pay history and other industry makers like compa-ratio, position-in-range, etc.

Responsibilities

- Currently, working on analysis of Oracle Fusion HCM(Human Capital Management) Workforce Compensation product.
- Configuring and Importing workforce compensation plans.

- Testing the core part of HCM Workforce Compensation like providing Salary and Individual Compensation to individual employees.
- Logging functional and Script issues as part of testing.
- Analysing more than 50 testcases daily and logging 5 bugs on an average.

Oracle Configuration Workbench is an integrated tool set that simplifies tasks of configuration management. Configuration tasks are grouped together in framework that makes it easy to find the right configuration tool for each task.

Responsibilities

- Manage Enterprise HCM Information.
- Set up and Maintained Enterprise structure and Workforce structures.
- Data Loading/Conversions using HCM Data loader (HDL) which includes Workforce structure data, Worker data, Work relationships data, Salary, Location etc.
- Logging Functional and Script issues as part of testing.

2015-10 -
2017-04

Associate Team Lead

Tech Mahindra Ltd, Hyderabad, Telangana

CITI project deals with testing all online banking features of bank, starting from account opening, credit cards, loans, etc. also deals with different set of projects and among that UFT Mobile, handles set of applications like BestBuy, Sears, Goodyear, Bloomingdales, Macys, Home depot etc. and have to test them on different mobiles operating systems like iOS, Android, Windows using Perfecto mobile cloud application using UFT as a base tool.

RPLID is CITI Bank's Retail Private Label Customer Service Integrated Desktop system. RPL cards has different clients like American Airlines, The Home Depot stores, Office depot, Staples, Radio shack, Zale's etc. There are different products like Customer credit cards, Commercial credit cards for purchase or withdrawal of amount from ATM's. These cards can be used through different channels like

purchasing at stores, online portals.

Responsibilities

- Creating and executing automated test scripts using VBScript , QTP/UFT for an entire web application.
- Analysed test cases for automation feasibility for Regression Phase.
- Managing test data requirements.
- Developing and maintaining quality scripts for applications in UAT
- Dry running the scripts shared by SIT team.
- Coordinating with manual testing team to carry out the automation testing for the scripts developed successfully.
- Handling backend for BFSI projects, using Mainframe technology.

2012-05 -
2015-10

Automation and ETL Test Analyst

Mahindra Satyam, Hyderabad, Telangana

GE Capital Fleet Services provides commercial car and truck financing and integrated management services that help customers to effectively manage their fleet. The goal of this project is to migrate the data warehouse data from Oracle to Teradata seamlessly, to provide faster response time to the end user reporting with continuously growing data and integrating the Fleet business data into GE Capital enterprise Data warehouse (EDW) leveraging the Financial Services Logical Data model (FS-LDM).

Responsibilities

- Review of ETL specification documents and data models
- Co-ordinate with functional team and development team for defects and issues, technically.\
- Logging the valid defects and participating with Onsite coordinators for defect triage
- Validating the ETL flow from Source to Target for monthly incremental.
- Co-ordinate with business users and provide support in UAT.

ABSA(Amalgamated Bank of South Africa) is an

African based financial services group, offering personal and business banking, credit cards, corporate and investment banking, wealth and investment management as well as bancassurance.

Responsibilities

- Reviewed and analysed the test cases.
- Prioritized and developed the test cases given by manual team.
- Participated in defect management and bug reporting process.

2011-05 -
2012-04

● **Software Engineer Trainee**

Mahindra Satyam, HYDERABAD, Telangana

Trained on Java technology and Oracle technology for 3 months and later moved to business units(BU). Worked on below projects which elevated my career.

e-Cops(e-Computerized Operations for Police Services) was conceptualized by Andhra Pradesh Police to computerize total policing by utilizing State-of-the-art technology which is catapulting AP Police into speedy processing, increased efficiency, transparent policing and better interaction with citizens of Andhra Pradesh. Andhra Pradesh Police has taken a lead in computerization in various fields of police functioning. The State is a pioneer in developing an automatic fingerprints identification system, which has greatly enhanced the quality and speed of investigation. For the first time in the State the recruitment results were processed with the aid of computer and developed Software.

Responsibilities

- Developing manual test cases.
- Executing test cases on different browsers
- Review test cases for completeness.
- Participated in peer reviews in team.

Aspetar is the first specialized Orthopaedic and Sports Medicine Hospital in the Gulf region. It provides highest possible medical treatment for sports-related injuries in a state of the art facility. The purpose of this module is to identify and document the business process requirements and

constraints of the Master Patient Index and obtain stakeholder sign-off.

Responsibilities

- Developing manual test cases.
- Executing test cases on different browsers
- Participated in defect triage.
- Interaction with client and participated in meetings.



Education

2007-10 -
2011-04

Bachelor of Technology: Computer Science And Engineer

Padmasri Dr BV Raju Institue Of Technology - Medak