VENKATESH YANDAPALLI

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SUMMARY

I have more than 3 years of experience working in highly dynamic projects with cross-domain skills ranging from legacy modernization, data visualization and web-service enablement to building statistical models for a use-case that were presented at an international conference.

SKILLS

Programming Languages: Python, R, DB2(SQL), Shell scripting, javascript
Frameworks and Applications: D3.js, NodeJS(Express), Git,
Rest service using Flask and Tornado on Python, MaterializeCSS, Tidyverse, SK-Learn, Matplotlib, MS Office, Atom Editor, Visual studio Code, Latex, regex, Markdown, IBM Cloud
Operating system: Linux, Windows, OS/400, z/OS

EXPERIENCE SUMMARY

Chatbot using Python
Summary: Created a chatbot to communicate and coordinate with participants attending an internal networking event. It was later re-purposed to automate the password reset requests. The application has back-end written in python, front-end designed in MaterializeCSS and is deployed on IBM i server.
Tech Stack: HTML, MaterializeCSS, Flask server(Python), AJAX, RPG (OS/400)

Predictive Modelling on Z/os
Summary: I was responsible for building predictive models and a web-application for multiple case studies to predict the possible outcomes of new data arriving on to the server. This application was built as a submission to the THINK conference organized by IBM annually.
Tech Stack: Scikit learn(Python), Flask server(Python), Matplotlib(Python), HTML, MaterializeCSS, IBM cloud

Web-service enablement on legacy systems(IBM i)
Summary: Explored ways to expose existing legacy business logic as a web service endpoint and to consume a REST endpoint from legacy applications running on IBM i.
Tech Stack: RPG (OS/400), Transport APIs (OS/400), Postman (For testing exposed REST endpoints)

Application to track Weight and metabolism
Summary: Created a web-app to visually track weight gain/loss as a submission to an TCS internal hackathon.
Tech stack: HTML, MaterializeCSS, Flask server(Python), Maria DB, chartjs

Modules to calculate credit score for a banking client(Current)
Summary: The role entails me to develop, test and deploy modules to check the credit score of customers.
Tech Stack: DB2(SQL) (UNIX and z/OS), Bash, GIT

Personal Visualizing transcripts of Avatar - The last airbender
Summary: Analyzed transcripts of dialogues that were scraped from fanpage using {rvest} to see how the screen-time of characters changed in different seasons of the show. The visualizations were done using {ggplot2}

Personal Excel Pixel Art
Summary: Created an app that accepts the path of a local image as a command-line argument and formats the cells of a spreadsheet so that they appear as an image when zoomed out.
Tech Stack: Python

Personal Ransom note generator
Wrote a web application in python to make a note look like it is cut from a newspaper.

Personal Visualizing Indian cricket world-cup squads in D3.js
Made a visualization that lists the players and highlights the states of India sourcing players based on the year selected. Player data scraped from Wikipedia and visualization is done using D3.js.

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VOLUNTEERING

Trained more than 60 associates from TCS in basics of R and introduction to Tidyverse.

EMPLOYMENT

TATA Consultancy Services   Aug. 2016 to Jan. 2019
Developer and Evangelist, IBM CoE , Chennai

                                                                      Feb. 2019 to Current

Systems Engineer, CMI, Hyderabad

EDUCATION

JNTUH College of Engineering - Hyderabad
MBA Marketing 2016

JNTUH College of Engineering - Hyderabad
B.Tech Mechanical 2015