Sughosh P Dixit

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Experience

Oracle | Data Analyst| Sept 2020 To Present
Data Reports Development: Working on writing complex queries to fetch data based on Business requirements and build user friendly BI reports for an Automotive client. Building Data Visualizations using **SQL** to get the required calculations and statistics to showcase in a presentable format.

Siemens AG | Developer Intern| Feb 2020 To May 2020
Worked on a web based Lead Generation project at Siemens using **Flask**, **MySQL** and **SQLAlchemy**, which scrapes Tenders from various websites into the application.

Printalytix | Web Dev Intern| Jan 2020 To May 2020
Worked on development of Website of the aforementioned organization and subsequently improvised the website into a Web Platform to incorporate Company orders from customers as a digital platform.

Skills

➢ **Python**: Got python certified Hackerrank, and completed a holistic certifiction course named 'Joy of Computing in Python' in Swayam/NPTEL.
➢ **SQL and Java:** Completed certification on Java, SQL and SQL tuning provided by Oracle University
➢ **Data Analysis**: Have worked on multiple projects to do Data Analysis (EDA) using Python and have written easily readable iPython Notebooks providing relevant data visualizations as well as executing multiple Machine Learning techniques. As part of my M.Tech have worked on couple of projects using Tableau and Power BI.
➢ **Web Development:** Worked on numerous end-to-end web development projects, using Javascript frameworks like React and Angular, Flask and PHP on the back-end and SQL, MySQL and MSSQL databases.

Activities

➢ Final Round - Idea got shortlisted at a hackathon at Rakuten – "Rakathon 2.0" in November 2019 *(Idea based on .jpg to .stl files)*
➢ Got selected for all PAN-IIT All India hackathon at IISC Bangalore *(Idea based on Early Childhood Education Monitoring)*
➢ Final round at Garage48 Hackathon Hack The Crisis-India, an Android App called QuarantineForSure.
➢ Active participant at workshops at NSRCEL (IIMB)
➢ Research Journal: The manuscript based on our Final Year Project was published at IRJET.

Projects

➢ **Hotel Waiter Tip Prediction:** Machine Learning implementation of Locally Weighted Regression to predict Hotel Waiter Tip which is an input dataset
➢ **S&P-BSE-Sensex-Index-Price-Prediction:** Developed a Regression model or any other suitable model for the BSE Sensex index which could be used to predict the index value in near terms
➢ **Diabetes Prediction:** Using input dataset comprising of various features, prediction of Diabetes using Naïve Bayes Classifier
➢ **Project Alphers:** An early age education monitoring application, which shows data insights on strengths/weaknesses and also identifies the talent in the child at an early age to enable to start early with it's interest
➢ **OpenCV based JPEG Image to STL File Rendering:** Solution to render a given 3D shape's basic orthographic view into a 3D STL file format. Based on the contour levels the geometric net will be classified into various views, and these views are folded with each other to produce a 3D shape. This application also was presented in a hackathon conducted at Rakuten, which came in the 'Top 25 Promising Ideas' category
➢ **AI solution to determine Optimal Path using DFS and RBFS:** Implemented a solution for optimal path when there's a dynamic input of nodes of a graph and to find the path from source to destination using DFS and RBFS in a iPython notebook for a Travel Agent problem statement.
➢ **Tic Tac Toe:** Created a Tic Tac Toe game for 3x3 and 4x4 grids of 2 players, a human player and an AI agent which used minmax algorithm to execute it's turns.
➢ **Graph Implementation to see combining of Vaccines:** Implementation of graph as a data structure to connect different Covid vaccines and their combinations to fight different strains/variants of Cov-19 virus.
➢ **Football Club Management Tool:** A holistic application for a Football manager to maintain football club data and manage various activities of the club digitally.

Education

➢ **Birla Institute Of Technology and Sciences Pilani (WILP)**
  M.Tech in Data Science and Engineering (2021-2023)
➢ **Bangalore Institute Of Technology**
  B.E in Information Science And Engineering (2016-2020) | Aggregate: **8.34 GPA**

Personality Traits

➢ Football Player (Captain) at a Local Football Team -> **V.M United,** Long Distance Running (**Marathons**),Vocal Classical Music (Carnatic)