SUMIT SURESH POOJARY

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SUMMARY

Experienced software development professional with three years of industry expertise. Proficient in programming languages like Python, Java, and SQL, with a strong foundation in data analysis and visualization. Detail-oriented, analytical thinker with a proven track record of delivering actionable insights to drive data-informed decision-making.

EDUCATION

University at Buffalo, The State University of New York
Master of Science, Management Information Systems (STEM Designated)   06/2023
Relevant Courses: Data Visualization, Predictive Analytics, Statistical Analytics, Data Warehousing, Spreadsheet Programming using Excel, Experiential IT Project, Social Network Analytics, Relational Database Management System.
GPA – 4/4

K.J. Somaiya College of Engineering
Bachelor of Technology, Computer Science, GPA - 8.18/10   06/2019

WORK EXPERIENCE

Data Scientist, University at Buffalo (Volunteer work)   01/2023-Present
- Analyzed influential users accountable for the dissemination of false information and performed sentimental analysis on tweets to understand user contribution in propagation of such false informative tweets.
- Provided analytics by performing EDA, to reduce dimensions, understand correlations between features and cleaned data.
- Implemented k-means clustering algorithm to segregate users based on defined features in 3 prominent clusters.
- Performed Logistic regression to find alternative attributes which can be used in place of account verified status to tackle the new verification method.
- Pioneered Naïve Bayes, SVM and BERT on a dataset of 500,000 rows to predict tweets from verified accounts with 0.87 recall.

Software Engineer II/Technology Consultant, Micro Focus R&D Centre   03/2022-08/2022
- Led cross-functional teams as a scrum master to facilitate sprint discussions, project dependencies, decision making and conflict resolution throughout the software product development cycle.
- Designed queries of caching mechanism for the product, employing PostgreSQL and MongoDB databases across services and various supporting applications.
- Initiated and organized regular knowledge sharing sessions to disseminate best practices, coding standards, and lessons learned among team members, decreasing defect count by 15%
- Utilized debugging tools and techniques to efficiently analyze and resolve 30% of complex software defects within tight deadlines in regression testing phase.
- Implemented and managed project in ASP.NET to create new features requested by clients in an Agile environment.

PROJECT EXPERIENCE

Auction Vehicle Price Prediction System   04/2023-05/2023
- Conducted thorough data cleaning on a car dataset, removing null values and utilizing data imputation techniques to ensure data integrity and completeness.
- Employed dimensionality reduction techniques to extract relevant features and reduce complexity. Explored feature correlations to identify and retain the most influential attributes for predicting vehicle prices in an auction setting.
- Developed multiple regression data models from linear regression to Random Forest to predict vehicle prices. Evaluated the performance of each model using appropriate metrics and selected the best predictive model.

Data Visualization   01/2023-05/2023
- Created visually appealing data reports and visuals in Tableau, including interactive maps, to showcase important KPI's of business, influential demographic information of population, facilitating strategic decision-making and client presentations.

Guac4U *(Data Warehousing)*   10/2022–12/2022
- Developed project plan and requirement specification document to construct data warehouse for grocery retail store.
- Performed data modeling to understand various entities and identified various relationships between them and processes.
- Implemented data warehouse on Oracle Cloud, integrating it to ETL pipeline to populate data from various sources.

SKILLS

- **LANGUAGES & DATABASE**   Python, Java, VBA, C#, SQL (Postgres), NoSQL (MongoDB), MS Access
- **TOOLS**   Excel, Visual Studio, Data Visualization(Tableau), Github, Active Directory, JIRA
- **MACHINE LEARNING**   Regression, Classification, Neural Networks, Reinforcement Learning, NLP
- **DATA SCIENCE TOOLS**   NumPy, pandas, sklearn, seaborn, NodeXL, scipy
- **INTERPERSONAL SKILLS**   Leadership, Problem solving, Time management, Flexible, Analytical mindset.

AWARDS AND HONORS

- **Best Paper Award** -Presented and secured 1st place in an International Conference (ICACDOT- 2016).
- **Best Presentation Awards –** Participated and won prizes in 6 paper presentation competitions.