Sayli Kulkarni

Data Scientist, TCS

Exceptionally well organized, analytical and resourceful professional, certified data scientist with 3+ years of experience. Relevant skills include machine learning, problem solving, programming, and creative thinking.

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WORK EXPERIENCE (3+ years)

TATA Consultancy Services, Pune | Data Scientist

Jan 2020 – PRESENT | Pune

- Working as Machine Learning Engineer to develop PAM product
- Conducts data analyses with the appropriate statistical approach (regressions, linear and non-linear correlation, entropy, t-test, F-test, etc.)
- Identifies the needed data, their underlying structure (distribution, variable independence, outliers, etc.), and treatment of missing value
- Perform analyses, design, coding, model development and validation in support of business requirements
- Recognizes the need of using Feature Selection techniques (correlation, high-dimensionality, over-fitting, etc.)
- Clean and prepare data for Machine Learning model development
- Experience in processing large amounts of structured and unstructured data using PySpark
- Detect data anomalies and identify source of data problems.
- Create documentations of methodologies and processes

TATA Consultancy Services, Pune | Junior Data Scientist

August 2018 – Dec 2019| Pune

- Worked on impactful and highly visible data analysis activities
- Experience in data cleansing; exploration and extraction of insights using Data Science techniques (Statistics, Machine Learning, etc)
- Strong Knowledge of Regression/Linear Analysis
- Developed multiple applications to save manual efforts using Python and VBA
- Created User Manuals, System Architecture documents
- Conducting code reviews, generating test cases

TATA Consultancy Services, Pune | Intern

December 2017- April 2018| Pune

FVDA (Front Vehicle Departure Alert)

- Developed a feature of ADAS which is being used in traffic control system
- FVDA is developed using MATLAB Simulink. Implemented real time scenarios using CarSim software

EDUCATION

PGDA (Data Science)

International Institute of Information Technology Bangalore
Year of Passing 2022

B. Tech (ExTC)

Shri Guru Gobind Singhji Institute of Engineering and Technology, Nanded
Year of Passing 2018| 8.23

SKILLS

- **Languages & Frameworks:** Python, R, Spark, VBA, SQL
- **Packages**: Scikit-Learn, NumPy, SciPy, Plot.ly, Pandas, Matplotlib, StatsModels, Win32, xlrd, xlswriter, Flask, PySpark
- **Statistics/ML:** Linear/Logistic Regression, SVM, Ensemble Trees, Random Forests, Clustering

KEY STRENGTH

- Excellent organizational and analytical skills
- Good technical knowledge and Capable of providing optimized, effective and well- documented code
- Strong communication, presentation and technical writing skills
- Experience in Documentation
- Work with global clients, locally and internationally
- Taking ownership of the tasks

PROJECTS

PAM (Predictive asset maintenance) | 02/2021-Present

- *Objective*: To maintain asset before it completely shut down based on their historical data.
- *Tech stack and solution*: Python, PySpark, SQL
- *Solution*: Preformed Data pre-processing, feature selection, EDA analysis and Model development

Diag-Data Analysis | 01/2020 – 04/2020

- *Objective*: To analyze vehicle diagnostics data
- *Tech stack*: Python, SQL
- *Solution*: Developed a product which is capable of input data analysis and validate according to the requirements

CAN Message List Analysis | 06/2019 – 12/2019

- *Objective*: To analyze vehicle CAN message list data to develop python desktop application
- *Tech stack*: Python, MS-Excel, SQL
- *Solution*: Performed Data cleaning, Outlier's check, Missing data check and validate the data according to the business requirement

Signature Detection | 07/2017-11/2017

- *Objective*: To predict signature of students to avoid fake attendance
- *Tech stack*: MATLAB
- *Solution*: Image processing is used to extract features and designed model using K-means clustering
- *Key achievement*: Developed model with 90% accuracy

ACHIEVEMENTS

- Poetries used by radio jockey
- State level Swimming champion for 10 consecutive years
- Received various awards like Star of the month, Applause, On the Spot award in TCS for my contribution in development