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Surabhi Sharma

Senior System Engineer (Data Analyst)

SUMMARY

Data Science enthusiast with 3+ years of experience in algorithms, solution development, strategy formation, model building using Python. Driving data-derived insights for multiple divisions by developing advanced statistical models and machine learning algorithms. Comfortable working in a fast-paced dynamic work environment with professional written and verbal communication skills.

KEY SKILLS

Python

NumPy

Pandas

Scikit Learn

SQL

Data Analysis

Statistics

Tableau

Microsoft Excel

Data Visualization

Machine Learning

Classification

Regression

Problem Solving

Azure Devops

INTERNSHIPS

Senior System Engineer (Data Analyst)

Jun '20 - Present

Infosys Pvt. Ltd

Chandigarh, India

System Engineer

Jun '18 - May '20

Infosys Pvt. Ltd

Chandigarh, India

Roles & Responsibilities

Jun '18 - Present

- Collaborate with product management and engineering departments to understand company needs and devise possible solutions.
- Implement new statistical or other mathematical methodologies as needed for specific models or analysis.
- Extensive validation of the developed model with an appropriate performance matrix.
- Experience automating data with C-Suite dashboards storytelling through interactive visualization for higher management

EDUCATION

GLA University

May '18 - Aug '14

Mathura, India

B.Tech. Computer Science and engineering

KEY PROJECTS

Telecom: Capacity Utilization management

- Capacity Management is conceptualized to automatically analyses performance KPIs, generate intelligent recommendations, and to automate the recommendations through the system
- Identify the best segment for migration. Customer profiling and Segmentation based on the demographics and transaction data.
- Worked on **classification models, predictive modelling, data mining**, Data reporting tools such as **Power BI, Tableau**, and Docker (basics) for solution integration
- Worked on **Apache Kafka(basics), NIFI(basics), Apache druid (basics)** for data streaming, **Fast API framework**

Financial: Finding Potential Credit Card Customers

- Predict Prospective buyers. Differentiate the key characteristic between buyers and non-buyers focus on predicting prospective buyers from existing customers.
- Solution's objective was to bring more consistency to the loaning process and investigate what the key drivers are behind a potential defaulter.
- Worked on validation of machine learning solution and Exploratory data analysis for

detecting appropriate recommendations for customers.

- **Noise detection treatment, variable reduction, association, multicollinearity, KS, Gini, ROC-AUC curve, Confusion Matrix**

Supply Chain: Fraud Analytics

- Identify the key metrics for Fraud Detection using association rules across data
- Develop strategy mitigating the fraud rate.
- Worked on **Tree based classification model, regression models** and **machine learning model. data visualization tools.**
- Worked on Azure Data Lake as Caas for data analytics.

TRAINING & CERTIFICATION

- **Python for Data Science(Udemy) (2021)**
- **[Introduction to Data Science in Applied](#)(Coursera) (2020)**
- **Applied Machine Learning in Python (Coursera) (2020)**
- **Applied text mining in python (Coursera)(2021)**

ACHIEVEMENTS

Infosys Certified Agile python Developer(2019- present)

Hacker Rank Python(Basic) Certified (2020) Hacker Rank

Silver Badge in Python(4 Stars) (2020) Hacker Rank