REKHA KATKAM
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SUMMARY

Collaborative and responsible Data Analyst with significant experience in providing insights from the data. I must say I am Passionate about helping thyself and industrial growth in a progressive manner with my attitude of work. Possessing masters in the specialization of Big Data Analytics, Bachelors in Computer Science & Engineering and a professional certification in advanced SQL databases from Stanford University. Trilingual in English, Hindi, and Telugu.

TECHNICAL SKILLS

Data Management and Modeling	Database design & management, Data Quality Assessment, Data Analysis, Pattern & Trend Identification, Visualization of Data Insights, Predictive modelling
Computer Science	System Administration, Advanced Microsoft Excel functions, MySQL, SQL, Tableau, Power BI, Python, R, Troubleshooting, Advanced Microsoft Office
Research Area	Did research on Artificial Intelligence by using sensors and analytics (**IoT Analytics**)

WORK EXPERIENCE

Saven Technologies
4/9/2017-Present

- Collected and Analysed data to draw insights and predict future outcomes by applying various models on past data.
- Utilized MySQL, SQL, data warehouse, Tableau, Jupiter programs and other visualization toolsets for data intelligence and analysis.
- Detected Outliers in time series data by using moving average method.
- Utilized AWS services like Redshift, S3 for fast query performance and storage.
- Explored Amazon Sagemaker by creating notebook instances that run Jupiter notebooks, pulled data from Amazon S3 bucket, built and trained model by providing the data location in S3.
- Implemented Machine Learning Linear regression in Sagemaker for time series data.
- Sound experience and understanding of relational database.

- SQL query for data extraction and management (MSSQl or MySQL or T-SQL)
- Good exposure of machine learning algorithms like Decision Trees, Linear Regression, Logistic Regression, XGBOOST, Random Forest, SVM, K nearest neighbors, and Markov Chain Process.
- Good knowledge of Clustering, Association rules, and Recommender systems.
- Basic knowledge of finance and stocks.
- Implemented machine learning and deep learning algorithms on both qualitative and quantitative data.

JOB RESPONSIBILITIES

- Collection of data from data warehouse and other external sources.
- Preprocessing of data to clean or impute missing values, and handling outliers.
- Feature engineering to extract, create and select features.
- Data preparation for modelling to scale, normalize, and standardize features.
- Analyzing the patterns and trends in data.
- Worked with management to prioritize the business and information needs.
- Built and trained data with machine learning models.
- Predicted and visualized the results using python Jupiter notebook.
- Preparation and presentation of reports according to the needs of management.
- Recorded weekly meeting minutes and compiled them in a Microsoft Word document for future organizational reference.
- Updating management with daily status update emails about work progress.
- Diligent in completing weekly production reports and timesheets.

ACHIEVEMENTS

- Secured 581 rank in VITMEE exam.
- Developed a system on pothole detection (artificial intelligence system) which can detect a pothole in images using Deep learning Convolutional neural network (CNN) algorithm with Keras backend.
- Developed a system which can predict the next stock price value using Deep learning Long Short Term Memory (LSTM) algorithm with Tensorflow backend.
- Developed a system which can identify the domain of the URL using NLTK and Multinomial Naïve Bayes algorithm.
- Developed an artificial intelligence system for effective decision making in air traffic control management which is less dependent on the ground-based system and control decisions using sensors, Arduino and ThingSpeak (IoT Analytics).

EDUCATION

Qualification	Institute	Degree	Year	%/CGPA
M-Tech	Vellore Institute of Technology (VIT University), Chennai	Masters in Big Data Analytics	2015 - 2017	7.16
B-Tech	Joginpally B.R. Engineering College (JBIT).	Computer Science and Engineering	2010 - 2014	66.5%

PROFESSIONAL CERTIFICATION

Certification of professional achievement in advanced SQL databases
Online course – Stanford University

STRENGTHS

- Hard working and Goal oriented attitude
- Flexible and adaptable
- Positive speaker
- Team motivator and team mover.
- Pro-activity, and openness to innovation

DECLARATION

I declare that all the statements that have been made are true and complete and correct to my knowledge and belief

Sincerely

REKHA.K