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Ramachandra Maharshi A

Senior Systems Engineer, Infosys

SUMMARY

Highly Motivated smart working individual with a good understanding of ML algorithms and technical knowledge. Ready to take on real world business challenges, build efficient processes and effective businesses using data driven approach. Want to be professionally challenge where I can use my skill set and knowledge set.

KEY SKILLS

Python |Data Modeling Techniques | Machine Learning Technologies | Exploratory Data Analysis | Data Visualization Techniques using Matplotlib and seaborn | Strong RDBMS Knowledge | PLSQL | MySQL | Domain Knowledge in utilities | MS Excel | Agile Methodology | MSSQL Server

PROFESSIONAL EXPERIENCE

Senior Systems Engineer   Nov '18 - Present

Infosys Limited   Hyderabad, Telangana

Infosys is the second-largest Indian IT company by 2020 revenue figures and the 602nd largest public company in the world as per Forbes Global 2000 ranking.

Project: Energy and Gas(Utilities domain)

Objective:
- To understand the business process and help client by maintaining the database of 13M customers.
- Creating the packages and stored procedures in **PL/SQL** to improve the performance.

Responsibility:
- Creating and maintaining stored procedures and packages in PL/SQL.
- Helping the client to resolve key issues by understanding the business process.
- To work in **agile methodology** to deliver the work efficiently.

Achievements:
- Provided ideas for the client to make the process efficient, which improved the system **performance by 30%**.
- Created daily running batch jobs which helped to **automate the 70% processes**.
- Got a **commendable** rating from the manager for the work delivered.

EDUCATION

PG Diploma in Data Science   Jun '20 - Present

IIIT Bangalore

IIIT Bangalore is now ranked among the Top 10 Technical Universities in India as per India Today, August 2020 edition

- **CGPA:** 3.7/4(Till Date)

Bachelor of Technology Electronics and Communication   Aug '14 - Apr '18

Andhra University College of Engineering(A)   Vishakapatnam

AUCE(A) has been rated at first position among the state owned technical institutions in the country (Star News).

- **CGPA:** 8.15/10

Case Studies

Academic Case Study 1: Build a **ML Model** to predict Telecom churn customers.
- Objective:
  - To predict the churn in the coming months using the data (features) from the past months.
- Approach:
  - Data understanding, preparation, and feature engineering, EDA, Modelling. Identifying important churn indicators and business recommendation.
- Outcomes:
  - Used PCA for dimensionality reduction and built different models using **Random forests**, **Logistic Regression** and **Decision trees**. Out of these models Random forest model yielded better results with accuracy of 92% and Recall of 88% and precision of 82%.
  - For Deriving the better insights on features impacting business. I used RFE along with Logistic regression to give business suggestions.

Academic Case Study 2: Build a model to predict the value of the properties.
- Objective:
  - We were required to build a regression model to predict the actual value of the prospective properties and decide whether to invest in them or not.
- Approach:
  - Data understanding, preparation, and feature engineering, EDA, Modelling. Identifying important features effecting the prices and business recommendation.
- Outcomes:
  - Used **Lasso and ridge regression** to get a regularized model. Provided the business with the suggestions based on the top features effecting the prices of the property.