Sanjana Matecharla

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Summary

Experienced data scientist with 2 years of professional hands-on experience who was responsible for modelling complex problems, discovering insights and identifying opportunities through the use of business intelligence, data mining and visualization techniques. Solved problems, created operational efficiencies and delivered successfully against high organizational standards by collaborating effectively with internal stakeholders and cross-functional teams.

Professional Experience

Associate Software Engineer, Data Science   *October 2021–Present*
Trice Systems Private Limited, Hyderabad

- Used analytics and data mining techniques to solve complex problems and drive business decisions.

- Worked closely with internal teams to identify, define, collect, and track key business metrics for products and business processes which resulted in improved data transparency and work efficiency across internal teams.

- Built an SKU recommendation system using KNN algorithm which improved the average cart value by 25%

- Built and deployed an ML model that predicts gender from the name of a customer. This resulted in better user experience and reduced customer drop-offs during the onboarding process by 20%.

- Pulled required data from MySQL database to conduct business analysis, built reports using SQL, Python and Excel, built dashboards and metrics using AWS quicksight to monitor the performance of the business.

- Applied a breadth of tools, data sources and analytical techniques to answer a wide range of high impact business questions and presented the insights in concise and effective manner by independently driving issues to resolution and communicated the insights to non-technical audiences in the e-commerce industry.

- Worked with and influenced stakeholders to take data driven decisions by taking the initiative to organize weekly and monthly business review meetings.

Data Science Associate   *July 2020–Oct 2021*
BEPEC Solutions private limited, Hyderabad

- Built a model to predict whether a customer would buy an insurance or not.

- Built a model to predict the customer budget for a particular car sale.

- Added intelligence to our CRM using a data driven approach which improved the conversion rate.

- Built a deep learning model to predict whether the image of an eye has glaucoma or not.

Education

Bachelor of Technology, Computer Science and Engineering   *June 2020*
Hyderabad Institute of technology and management, Hyderabad

Technical Skills

- Python
- MySQL
- Tableau
- Machine Learning (Linear Regression, Logistic Regression, Decision Tree, Random Forest etc.)
- Scikit-learn
- Deep Learning (ANN, CNN, RNN, LSTM, GRU etc.)
- TensorFlow, Keras
- Natural Language Processing

Additional Skills

- Good business understanding and communication skills
- Proven data leadership skills to lead small teams
- Ability to self-serve, investigate and get the required data
- Ability to highlight key takeaways from the data and present actionable insights
- Approaching problems with an entrepreneurial mindset
- Quick Learner