PRIYANKA GUPTA

DATA SCIENTIST

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🐙 https://github.com/P-riyank-a

ABOUT ME

Data scientist with 3+ year experience in executing data-driven solutions to increase efficiency and accuracy. Experienced at creating data models and analyzing data mining algorithms to deliver insights and implement action-oriented solutions to complex business problems.

KEY SKILLS

- Statistics-Hypothesis testing,ANOVA,sampling technique,Correlation,statistical visualization

- Machine Learning -Classification Algorithms-**Logistics regression, ,NB classifier, KNN, Decision Tree Classifier, Random Forest Classifier**

- Regression Algorithms-**Linear , Ridge, Lasso, SVR, Decision Tree Regressor,Random Forest Regressor**

- Clustering Algorithms-**K means clustering, DBScan Agglomerative hierarchical clustering**

- Predictive modeling and Recommendation system

- Deep Learning-**DNN, CNN, RNN, Reinforcement Learning**

- NLP-**W2V, BoW, Glove,BERT**

- Time Series Forecasting and Analytics-**ARIMA,LSTM**

- Databases-Microsoft SQL Server,MongoDB,

- Data Visualization tools-Tableau,PowerBI

- BigData-Hadoop,Spark,Hive,Apache

- **Deployment** using AWS Ec2,Flask

- Tools and Libraries- git, **Matplotlib, Pandas, NumPy, Sci-kit Learn, Scrapy, Tensorflow, Keras, openCV, YOLO**

CERTIFICATIONS

Successfully completed, **Data Science Methodology, Data Science Tools, Machine Learning with Python, and Python 101 for Data Science courses with IBM.,**
SQL ,TABLEAU and POWER BI with Learnbay,

INTEREST AND ACHIEVEMENTS

- Completed the Happiness Program of Art of Living.

- Successfully completed the **TCS iON Career Edge - Young Professional program**, which helped in enhancing my professional skills

PROFESSIONAL EXPERIENCE

Data Science Intern   Mar '22 - Mar '23

LEARNBAY

- Successfully deployed machine learning models using AWS.
- Proficient in using Deep Learning algorithms such as Transfer Learning and functional APIs, with expertise in tensorflow and Keras.
- Experienced in performing house price prediction using deep learning Regression techniques, including hyperparameter tuning.
- Skilled in customer churning analysis using deep learning classification methods, employing Deep Neural Networks.
- Proficient in computer vision techniques for video tracking, face recognition, image classification and segmentation.

Personal Projects

1. RETAIL SALE PREDICTION

- Improved overall accuracy by 15% by implementing Random Forest Regressor with hyperparameter tuning
- Models used-Linear Regression, Lasso Regressor, Ridge Regressor, Decision Tree Regressor,Random Forest Regressor
- Boosting accuracy by using **Adaboost, LighttGBM and XGBoost**

2. SUPER STORE SALE TIME SERIES FORECAST

- Optimized inventory management and boosted sales and profits by forecasting store sales
- Proficient in using Python for data analysis and various models including **ARIMA, SARIMA, DART, and FB Prophet Model**

3. SENTIMENTAL ANALYSIS

- Proficient in utilizing **CountVector, Tf-IDF, BagofWords**, and Machine Learning techniques to enhance data processing.

DATA SCIENCE CONSULTANT   Nov '17 - Feb '21

FREELANCING

- Incorporated paper-based data into database systems to improve accessibility
- Developed interactive dashboards to gain insights into customer preferences and identify popular/unpopular items
- Utilized data analysis techniques to accurately forecast sales and profits
- Increased sales by 10% approximately through targeted marketing, improved inventory management, and efficient supply chain management
- Utilized NLP techniques to analyze customer feedback and drive improvements to optimize customer satisfaction.

EDUCATION

Data Science and AI Certification program   Mar '21 - Mar '22

Learnbay

B.Tech in Computer Science   Aug '13 - Jun '17

Dr. APJ Abdul Kalam Technical University
Grade-76.58%

Senior Secondary School Examination   Apr '12 - May '13

Holy Public School
Grade-79.8%

Secondary School Examination   Apr '10 - May '11

Holy Public School
CGPA- 9.2