APURVA NASAR

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Objective

As a passionate and motivated data scientist, I am eager to leverage my skills and knowledge to help organizations by effectively analyzing, interpreting, and presenting insights from large datasets in an accurate and meaningful way.

Education

RTMNU University, Nagpur 2018-2022

B.E (Computer Science and Engineering)

Skills

- **Languages & Tools:** SQL, Python, Excel, T-SQL
- **Statistical Analysis:** Data visualization, Descriptive and Inferential statistics, Probability
- **Data Visualization:** Power BI (Power Query, DAX, ETL), Matplotlib, Seaborn
- **Machine Learning:** Supervised and Unsupervised Learning, Ensemble Methods, Model Evaluation and Validation
- **Deep Learning:** TensorFlow, Keras, CNNs, ANNs, LSTMs, NLP
- **Tools:** Jupyter Notebook, Anaconda, VS Code, Flask, Docker, Flassger

Experience

Data Science Intern

Unified Mentor Pvt Ltd April'23-May'23

- Analyzed restaurant data and developed predictive models (Linear Regression, Decision Tree, Random Forest) to forecast ratings, with Random Forest achieving the best performance.
- Conducted comprehensive data exploration and preprocessing, identifying key insights on popular cuisines, cities, and factors influencing customer preferences and restaurant performance.

Projects

Bank Note Authentication with Dockers | link

- **Objective**: Built a model capable of predicting whether a banknote is authentic or not.
- This dataset contains data extracted from images taken to evaluate an authentication procedure for banknotes.
- Implemented three different classification algorithms: Decision Tree, K-Nearest Neighbors (KNN), and Random Forest.
- Designed various visualizations using scatter plots, bar charts, and distribution plots.
- Quickly deployed a frontend UI using a Flask web app and the **Flask-RESTPlus** library with **Docker.**

Consumer Decision-making Prediction | link

- Built a consumer decision-making pattern recognition algorithm using machine learning models such as Decision Tree and FP-Growth algorithm.
- Created questions for a consumer survey and collected data from around **1,000 people**.Trained ML models based on the responses received.
- Created 3D graphs using R programming language to identify multiple parametric views, and used Power BI to represent statistical findings and create interactive dashboards.

Patients Emergency Room Visit Report | link

- Analyzed patient data to identify trends and patterns, improving data accessibility and understanding, and creating over **10 KPIs for analysis**.
- Developed key performance indicators such as wait time (35.86%), satisfaction score (5.47%), and percentage of gender-specific visits, leading to a significant improvement in the overall standard of emergency care.
- Crafted a customized Power BI dashboard to leverage insightful data analysis, optimize emergency room operations, and enhance the quality of patient services.

Certificates

- Master in Data Science
- Machine and AI
- Python Fundamentals and Beginners