Deepak Raj

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SKILLS

Programming Languages | Python, R, Machine Learning
Microsoft 365 | Word, Excel, PowerPoint
Databases | MySQL Server
BI Tools | Microsoft Power BI, Tableau
Soft Skills | Communication, Problem-Solving, Teamwork.

EXPERIENCE

The Purple Heaven | Excel, Power BI, etc.
Data Analyst | Aug 2023 – Fab 2024

As a Data Analyst in a restaurant retrieves data on sales, inventory, and other areas, analyzes it to identify trends and opportunities, and creates reports to inform management decisions.

PROJECTS

Laptop Price Prediction - | Python | Pandas | NumPy
- Conducted exploratory data analysis (EDA) using Python to uncover correlations between laptop price and configuration parameters.
- Transformed categorical data into a numeric format using One-Hot Encoding and built a regression model with a pipeline, achieving an accuracy of approximately 88%.

Movie Recommendation System - | Python | Pandas | NumPy
- Built a collaborative filtering recommendation system using Python and pandas, recommending movies based on user ratings and preferences.
- Utilized user-item matrices and cosine similarity for recommendation generation.
- Deployed the system as a web application using Flask.

T20 World Cup Cricket data analytics - Cricket Analysis | Python | Web scrapping | Pandas | Power BI.
- Developed a Power BI report to strategically assemble a winning T20 cricket team by extracting data from ESPN Cricinfo.
- Employed web scraping techniques and used Python for data acquisition. Utilized Pandas for comprehensive data cleaning and transformation.
- Evaluated player performance metrics to find the top 11 players for various team roles, including openers, middle-order batsmen, finishers, all-rounders, and specialist fast bowlers.
- The team selection process, helped by the Power BI dashboard, has shown a strong correlation with a 90% likelihood of winning matches.

EDUCATIONS

National Institute of Technology Karnataka (NITK)
MTech, Industrial Biotechnology
July 2023   CGPA 6.79/10

National Institute of Technology Agartala (NITA)
BTech, Bioengineering
June 2021   CGPA 6.55/10

CERTIFICATES

- Excel Course Basic to Advanced (MindLuster)
- Data Analytics Essentials (Cisco)
- Power BI For Beginner (Simplilearn)
- Python for Data Science and Machine Learning Bootcamp (Udemy)

INTERESTS

- Fitness
- Cricket
- Watching Netflix