

Divyansh Raiswal

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Education

Manipal University Jaipur

2021-2025 (Expected)

Bachelor of Technology in Data Science and Engineering (GPA: 7.8)

Jaipur, Rajasthan

- **Relevant Coursework:** Data Structures and Algorithms, Probability & Statistics, OOPS, Operating Systems, Database Management System, Software Engineering, Data Analytics, NLP, Big Data Analytics
- **Expected Graduation Date:** May 2025

Projects

Wine data analysis using and classification | *Python, Machine Learning, scikit-learn, pandas, matplotlib.*

- The primary goal was to develop a sophisticated model capable of accurately categorizing wines based on a myriad of features, ultimately contributing to the understanding and appreciation of wine characteristics.
- Utilized PCA for dimensionality reduction, Naive Bayes for probabilistic classification, K-Nearest Neighbors (KNN) for proximity-based classification, Decision Trees for interpretability, and Hierarchical Agglomerative Clustering (HAC) for hierarchical grouping..
- Hyperparameter Tuning: Conducted extensive hyperparameter tuning, specifically for KNN, to optimize the model's performance and achieve superior accuracy in wine classification.

Veterinarian Chatbot | *Python, Azure, langchain*

- Led deployment of veterinary chatbot on Azure using Python. Developed model.py and inges.py scripts for chatbot functionality using Llama 2 model.
- Orchestrated cognitive capabilities and chat interactions in model.py.
- Created a robust vector database in inges.py for efficient information retrieval.
- Configured scalable Azure services for uninterrupted service delivery.

Amazon Prime Video Analytics | *Tableau, MS Excel*

- Conceptualized and executed a comprehensive Tableau project focused on analyzing Amazon Prime Video content. The project encompassed diverse aspects, including movies and shows categorized by countries, genres, top 10 genres, distribution by year, and ratings.
- The primary objectives were to gain insights into the distribution of content on Amazon Prime Video based on geographical origin, genres, annual trends, and audience ratings. This analysis aimed to inform strategic decision-making for content acquisition and user engagement.

Certifications

- **Neural Networks and Deep Learning**
- **Foundations: Data, Data, Everywhere**
- **Asking Questions to make Data-Driven Decisions**
- **Number Theory and Cryptography**

Technical Skills

Languages: C/C++, Python, R, Java

Technologies: Git, Github, SQL, MySQL, Jupyter Notebook, vsCode,

Soft Skills: Power BI, Excel, Tableau

Concepts: Machine Learning, Neural Networks, Deep Learning, Database Normalization, Cloud Computing, Generative AI