

DHRUV TYAGI

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PROFILE

Analytically driven data science professional with hands-on experience in advanced data analytics, machine learning, and cloud-based solutions. Proficient in Python, SQL, and big data frameworks, with a strong foundation in statistical analysis and problem-solving. Skilled in developing end-to-end data solutions to enhance decision making.

EDUCATION

BTech. Aerospace Engineering
University of Petroleum and Energy Studies

2018-2022

Post Graduate Diploma in Data Engineering
Indian Institute of Technology Jodhpur

2024-present

SKILLS

- **Programming Languages** – (Python, R, SQL, JavaScript)
- **Big Data and Cloud** – (AWS, Azure, Hadoop, Snowflake, Docker)
- **Data Science and Machine Learning** (Scikit-learn, PyTorch, TensorFlow, NLP, Deep Learning)
- **Analytics & Visualization** – (PowerBI, Statistics, Hypothesis testing)
- **Databases** – (MySQL, MongoDB, PostgreSQL)
- **Data Structures and Algorithms**
- **MLOps**
- **Generative AI**
- **ETL/ELT**

WORK EXPERIENCE

Analyst II Infrastructure Services

DXC Technology

06/2022 – 06/2024

- Developed a web application using **React.js, Express, and SQL Server** to streamline monitoring alerts for client infrastructure, allowing for efficient database operations.
- Spearheaded automation initiatives by building bots with **Power Automate** to reduce redundant tasks.
- **Key Achievements:** Integrated analytics tools to monitor infrastructure trends, providing insights that reduced system downtimes.

Data Analyst Intern

HashTag Stay

02/2020 – 05/2020

- Conducted market analysis to support business growth strategies, leading to a 10% improvement in targeting expansion opportunities.
- Optimized pricing and revenue models through statistical analysis, aiding in strategic decision-making.

ACADEMIC PROJECTS

Advanced Customer Churn Prediction Project 🔗

- Developed an advanced customer churn prediction model using **Artificial Neural Networks (ANN)**, deployed through Streamlit for real-time insights. Conducted data preprocessing and implemented **visual analytics** for strategic decision-making on customer retention.
- **Key Techniques:** Machine Learning, Deep Learning, Feature Engineering, Streamlit Deployment

Collaborative Filtering-Based Recommender System 🔗

- Designed and implemented a **collaborative filtering recommender system** to provide personalized recommendations for users based on historical interaction data. Leveraged **matrix factorization and similarity metrics** to create tailored suggestions, significantly enhancing user engagement.
- **Key Techniques:** Machine Learning, Collaborative Filtering, Matrix Factorization, Data Preprocessing, Model Evaluation

Next Word Prediction Project 🔗

- Built a next-word prediction system using LSTM and GRU RNNs, deploying it with an interactive interface. Utilized data preprocessing and model training to deliver accurate real-time text predictions, enhancing user experience in text applications.

CERTIFICATIONS

- Amazon Certified Cloud Practitioner (CLF)
- Microsoft Azure Data Fundamentals (DP-900)
- AZ - 900