

TARUN ARYA

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PROFESSIONAL SUMMARY

Highly skilled and detail-oriented Computer Applications Post graduate with experience in Python, Machine Learning, SQL, and Data Visualization. Adept at utilizing a variety of tools, including PostgreSQL, MySQL, and Power BI, to design and implement data-driven solutions. Passionate about leveraging cutting-edge technologies in AI and Machine Learning to solve complex problems and enhance decision-making.

EDUCATION

Master of Computer Applications (MCA)

Teerthanker Mahaveer University, Moradabad

August 2023 – Present | GPA: 7.9

Bachelor of Computer Applications (BCA)

M.J.P. Rohilkhand University

August 2020 – August 2023

TECHNICAL SKILLS

- **Programming Languages:** Python, C++, Java, SQL, HTML, CSS
- **Machine Learning:** KNN Algorithm, Decision Tree, Supervised Learning, Unsupervised Learning
- **Databases:** MySQL, MongoDB
- **Tools & Technologies:** Power BI, Scikit-Learn, TensorFlow, Pandas, Matplotlib
- **Platforms:** Linux, Windows
- **Other Skills:** Data Visualization, AI Prompt Engineering, Data Preprocessing, Feature Engineering

PROFESSIONAL EXPERIENCE

Data Science Intern

Ducat — June 2024 – DEC 2024

- Utilized Python and Machine Learning algorithms (KNN, Decision Tree) to develop predictive models
- Managed databases using MySQL and MongoDB for data storage and manipulation
- Worked on data preprocessing, feature engineering, and model evaluation to enhance model performance
- Applied machine learning techniques to analyze real-time data and generate insights for decision-making
- Collaborated remotely with cross-functional teams to implement AI solutions for business processes

PROJECTS

Lung Cancer Detection Using KNN and Decision Tree

- **Technologies:** Python, KNN Algorithm, Decision Tree
- Developed a machine learning model to predict the presence of lung cancer based on patient data. Achieved high accuracy using KNN and Decision Tree algorithms.

Passenger Seat Decision System

- **Technologies:** Python, KNN Algorithm
- Built a system for optimizing seat allocation based on passenger preferences and historical data using the KNN algorithm.

RESTAURANT BILLING SYSTEM

- **Technologies :** Python,SQLite3
- Developed for the admin , billing ,item selection , editing item and creating a easy experience to the user

Banking automation system

- **Technologies :** python ,MongoDB
- Developed for the easy formation of the baking process, that create the easy and automation for banking .

Hfc restaurant management

- **Technologies:** dot.net , visual studio
- Developed for the admin , billing ,item selection , editing item and creating a easy experience to the user

CERTIFICATIONS

- **Data Visualization with Power BI** – Great Learning Academy | August 2023
- **Java Programming** – Great Learning Academy | December 2022

RESEARCH PAPER

- **IoT ENVIRONMENTAL MONITORING :ENCHANCING THE DATA-DRIVEN SUSTAINABILITY**
 - PUBLISHED FOR THE COLLEGE UNIVERSITY
 - SIMILILARITIES INDEX BY TURNITIN: 4% (0% PUBLICATION)

INTERESTS

- Internet Surfing
- Gaming
- TRAVELLING

ADDITIONAL INFORMATION

- Strong problem-solving skills with the ability to adapt to new technologies and environments.
 - Excellent teamwork and communication abilities gained from working in remote teams and collaborative projects.
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