# TARUN ARYA

## Contact Details:

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## PROFESSIONAL SUMMARY

Enthusiastic and detail-oriented Software Developer with a strong foundation in computer science and programming, eager to contribute to innovative projects. Proficient in languages such as Python, Java, and C++, with hands-on experience in developing applications through academic projects and internships. Skilled in problem-solving, data structures, and algorithms, with a keen interest in web development and software engineering best practices. Adept at collaborating in team settings and quick to adapt to new technologies. Committed to delivering high-quality, efficient code and continuously enhancing skills to drive organizational success.

## EDUCATION

**Master of Computer Applications (MCA)**
Teerthanker Mahaveer University, Moradabad
**August 2023 – 2025** | GPA: 8.0

**Bachelor of Computer Applications (BCA)**
M.J.P. Rohilkhand  University , Bareilly
**August 2020 – August 2023**| Percentage: 7.2

## TECHNICAL SKILLS

- **Programming Languages:** Python, C++, Java, JavaScript.
- **Web Development:** HTML/CSS, Working on React .js, RESTful APIs.
- **Machine Learning:** KNN Algorithm, Decision Tree, Supervised Learning, Unsupervised Learning
- **Databases:** MySQL, MongoDB, NoSQL,SqlLite3
- **Tools & Technologies:** Power BI , Flask, Scikit-Learn, TensorFlow, Pandas, NumPy, Matplotlib, MS-Excel.
- **Platforms:** Linux, Windows.
- **Other Skills:** Data Visualization, AI Prompt Engineering, Data Preprocessing, Feature Engineering, Agile / Scrum Methodologies, Statistics & Probability, Data Cleaning & Preprocessing.Dot.Net
- **Soft Skills :** Communication, Teamwork, Problem-Solving, Adaptability, Time Management, Critical Thinking,Leadership,Creativity,Work Ethic, Emotional Intelligence.

## 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

## 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, SqlLite3
- 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

**InsightClip**
- **Technologies:** Python , SqlLite3 ,Flask ,Vosk ,FFmpeg.
- Developed for the user to create the summariesed review of youtube videos in the pdf form **.**

## CERTIFICATIONS

- **Data Visualization with Power BI** – Great Learning Academy | August 2023
- **Java Programming** – Great Learning Academy | December 2022
- **Data science and machine learning using python** – Ducat learning Noida | December 2024
- **Data Science and Analytics** – Skillsetmaster.com | March 2025

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

## INTERESTS
- Internet Surfing
- Gaming
- Travel

## 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.