

# AARYAN TIWARI

Faridabad, Haryana

+91-9311550094

aaryan7068@gmail.com

Linkedin

Github

## EDUCATION

**Maharshi Dayanand University, Rohtak**

*B.Tech - CSE with specialization in AI and ML - CGPA - 7.5*

**2022 – 2026**

*Rohtak, Haryana*

**IIT, Guwahati**

*Minor degree in AI and ML - CGPA - 7.5*

**Feb 2025 – Nov 2025**

*Guwahati, Assam*

**Class XII**

*D.A.V. Public School - Percentage - 92*

**Completed in 2021**

*Faridabad, Haryana*

## EXPERIENCE

**Security Analyst at MercuryAI**

*Role - Cyber Security Analyst*

**February 2025 - June 2025**

*Dwarka, Delhi*

- Developed Security Architecture and gained hands-on experience with Network Mapping and Remote Administration.
- Automated security checks to improve efficiency and reduce manual effort.
- Attended training sessions on **Kali Linux and Penetration Testing**.

**Intern at MercuryAI**

*Role - ML Intern*

**February 2025 - June 2025**

*Dwarka, Delhi*

- Learned and Implemented **Artificial Neural Networks, LLMs and Deep Learning**.
- Working on various projects using various coding methodologies.
- Successfully enhanced the **MercuryAI Social Media Presence**.
- Implemented Scikit Learn, NLTK and Clustering Algorithms to optimize the project codes.
- Handled the Wikipedia Page and solved web-app bugs using **HTML, CSS, Javascript**.

## PROJECTS

**FOOTBALL ANALYSIS** | OpenCV, Pickle, PyTorch and YOLO

**Jun 2025 - Aug 2025**

- Developed a ML Model that analyzes football match following complete pipeline of analysis.
- The Model Tracks and distinguishes between Players, Referees and Ball and assigns respective teams to the players.
- Added features to calculate real time ball possession for both teams and tracking camera movement.
- Perspective transformation is done to transform bird eye view from the camera to a top-down 2D field to analyze player movement speed and distance covered.

**Movie Recommender System** | NLTK, Scikit Learn, KNN Model, Streamlit

**Mar 2025**

- Developed a content-based movie recommender system using Python, Pandas, and Scikit-learn.
- Engineered features from a movie dataset by processing text data with NLTK and vectorized them using CountVectorizer.
- Engineered features from a movie dataset by processing text data with NLTK and vectorized them using CountVectorizer

**Remote Code Execution** | Socket, Networking, TCP/IP, Remote Administration

**Jun 2024**

- Developed a client-server application in Python to enable remote code execution and system administration.
- Utilized Python's socket library to establish a persistent network connection between a central server and a client.
- The server sends shell commands, which are executed on the client machine using the subprocess module.
- This project demonstrates strong knowledge of network programming and client-server architecture.

## TECHNICAL SKILLS

**Languages:** Python, C++, JavaScript, SQL

**Technologies/Frameworks:** OpenCV, PyTorch, Pandas, NLTK, Scikit-Learn,

**Developer Tools:** Github, VS Code, PyCharm, Jupyter, Anaconda