

# AARYAN DIWAN

Greater Noida, IN | veeraaryan10@gmail.com | +91 7543031621 | LinkedIn | GitHub | Portfolio Website

## Education

**Galgotias University**, Greater Noida, India  
*B.Tech in Computer Science & Engineering*

*Sept 2022 – Present*

## Experience

**Cisco Networking Academy | Data Networking Intern**

*Feb 2025 – April 2025*

- Configured and maintained switches, routers, and small-scale network setups to ensure reliable connectivity.
- Practiced IPv4/IPv6 addressing and routing protocols to design and troubleshoot efficient network systems.
- Monitored network traffic, logs, and packet flows to identify and resolve latency and basic security issues.

## Research

**Predicting Flu Seasons Using Machine Learning and Diverse Data**

*Ongoing*

Supervisors: Ms Indrakumari R.

- Collaborated ML research on flu outbreak prediction using multisource WHO data.
- Implemented LSTM, Random Forest and SVM for time-series forecasting.
- Research submitted to ICETICS 2026 (academic collaboration).

## Projects

🔗 **EpiPredict** | Python, Machine Learning, Time Series

- Analyzed **180,000+** WHO influenza surveillance records to model seasonal flu trends.
- Engineered basic time-series features such as lag values and rolling averages.
- Applied time-aware train-test splitting to prevent data leakage and ensure reliable forecasting.

🔗 **IPLytics** | Python, Data Analysis, Pandas, Visualization

- Analyzed **600+** IPL matches across **12 seasons** using Pandas for data cleaning and transformation.
- Visualized performance trends of **50+ players**, identifying the top 10 most consistent performers.
- Derived key match-winning metrics including strike rate, economy, and partnerships using statistical analysis.

🔗 **Revenue Drive** | SQL, Python

- Designed and implemented a relational SQL database for cars, customers, and sales transactions.
- Performed analysis to identify **top-selling** car models, customer buying patterns, and monthly revenue growth.
- Generated realistic synthetic data using **Python** and **Faker** to simulate real-world dealership operations.

## Skills

- **Programming Languages:** Python, Java
- **Data Analysis:** SQL, Excel, Power BI, EDA, Statistical Analysis, NumPy, Pandas, Matplotlib
- **Machine Learning:** Predictive Modeling, Feature Engineering, Time-Series Analysis, Supervised/Unsupervised Learning
- **Tools & Platforms:** Jupyter Notebook, Git/GitHub, Google Colab, VS Code, Canva
- **Coursework:** OOP, DBMS, Computer Networks, Operating Systems
- **Soft Skills:** Communication, Adaptability, Teamwork, Collaboration

## Certifications

**IBM Data Analyst Professional Certificate** — Coursera

**Deloitte Data Analytics Job Simulation** — Forage

## Other Experience

**Member — Humanity Savors Society**

*2022 – 2023*

- Collaborated with volunteers to organize social welfare activities.

**Captain — School Cricket Team**

*2018 – 2020*

- Captained a cricket team of **10 players** in **inter-school competitions**.

**Badminton Enthusiast**

*2016 – 2020*

- Honed mental focus and physical coordination via **4+ years** of self-taught badminton practice.