Vaibhav Maheshwari

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Education

UNIVERSITY OF DELHI, Delhi, India
B.Sc. (H) Computer Science
- **Major Subject:** Computer Science
- **Minor Subject:** Mathematics

APEEJAY SCHOOL, Pitampura, Delhi, India.
Higher Secondary Certificate - Senior Secondary (XII)
- **Science Stream:** Physics, Chemistry, Math (PCM) + English + Physical Education
- **Percentage:** 88.25%

Senior Secondary Certificate (X)
- **CGPA:** 8.6/ 10

Programming Skills

- **Languages/ Software: Python**, HTML, CSS, C++, **SQL**, Tableau, Microsoft Excel, PowerPoint
- **Libraries:** Scikit Learn, OpenCV, **Numpy, Pandas, Matplotlib**, Seaborn, **Ploty**

Work Experience

DYSL-AI, Bangalore, India   **JULY 2023 – SEPTEMBER 2023**
Training (Remote)
- Project – "**Satellite Object Detection**".
- Built machine learning models to detect Satellite objects for the "Satellite Object Detection project" in Python.
- Applied machine learning models like RNNs, CNNs, to build models for object classification using the PyTorch library, and OpenCV library.
- Achieved a test accuracy of ~ 70% using RNNs and ~60% using CNNs.

DRDO, Delhi, India.   **JANUARY 2023 – FEBRUARY 2023**
Training (Hybrid)
- Topic – "**DEVELOPMENT OF SOFTWARE MODULE FOR ADMINISTRATION PORTAL**"
- Help in developing the **Photo Gallery module** which contain the photo of all the event/function held.
- Reviewed and perform the **SQL Injection attack** on the administration portal to prevent the portal from attack.

AIRTEL, Delhi, India.   **SEPTEMBER 2022 – OCTOBER 2022**
Intern (On Site)
- Worked in the field of Cyber Security as a Network Security and Data Security Researcher.
- Learn about the various attack and worked on them.

Projects

Delhi Metro Analysis
Analysed the Delhi metro working through dataset and aim to identify the key areas where adjustments in train frequencies could significantly improve the service levels, reduce wait times and in controlling overcrowding situation during peak hours

College Student Expenditure
Used Python, and its libraries (plotly , pandas) to analyse the spending habit of the college student Analyse the difference between the spending habit based on the gender on various factors and total amount spend by different age group. Used Student Spending Habit Dataset from the Kaggle

Predicting Euro Matches Winner(Machine Learning Project)
Developed a machine learning model by scrapping dataset from "**Fbref**" website using BeautifulSoup library and then used **Random Forest Classifier** algorithm to a predict the winner of the match.

Electric Vehicles Market Size Analysis
Conducted a comprehensive market size analysis of the electric vehicle (EV) industry using Python, focusing on sales volume, demand trends, and growth opportunities. The project provide strategic insights for businesses aiming to enter or expand in the EV market. Key findings indicate a significant shift in consumer preferences and robust potential for investment in the sector.

Extra-Curricular Activities

- **Certified "Accenture North America- Data Analytics and Visualisation Job Simulation" –[**May'2024]
- **1st Position** out of **15 teams** in **Delhi State Basketball Championship**.
- **Head of Graphic Designing** at "**ROTARACT CLUB OF CVS**".
- Played football at **district** level, and college level.