# HARSHIT YADAV

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## EDUCATION

**Vellore Institute of Technology, Bhopal**                                                                     April 2025
Bachelor of Technology in Computer Science and Engineering                                      CGPA: 8.29

## SKILLS

| | |
|---|---|
| **Programming Languages** | Java, HTML/CSS, DSA, Python, SQL |
| **Developer Tools And Databases** | Git, GitHub, MS Excel, Google Sheet, Streamlit |
| **Frameworks And Libraries** | Xampp, NumPy, Pandas, Matplotlib, Seaborn. |
| **Certifications** | Html, CSS and JavaScript for Web Developers, Coursera. |
| | Data Science for Beginners, Board Infinity. |

## WORK EXPERIENCE

**CodeAlpha - Python Programming Intern**                                                    Feb 2025 – March 2023

- Collaborated on a research-based project to predict cyberattacks on IoT devices using machine learning models, contributing to data preparation, analysis, and visualization..

- Cleaned and preprocessed large IoT network datasets using Python (Pandas, NumPy) to handle missing values, outliers, and improve data quality for model training.

- Created data visualizations with Matplotlib and Seaborn to uncover attack patterns, feature correlations, and model performance insights.

- Assisted in developing and documenting a research paper, including experimental results, performance evaluation, and graphical representations of findings.

## PROJECTS

**U.S. Airbnb Data Analysis Dashboard** [GitHub]

- Developed an interactive data analysis dashboard to explore Airbnb listings across the U.S., providing insights into pricing trends, host performance, and customer preferences.

- Utilized Python, Streamlit, Pandas, and Plotly to build dynamic visualizations and enable user interaction through filters for state, city, and accommodation type.

- Used the "U.S. Airbnb Open Data" dataset from Kaggle for data preprocessing, visualization, and deriving insights from real-world hospitality data and deployed the dashboard on Streamlit Cloud for seamless online accessibility.

**Weather Forecasting System Using Python** [GitHub]

- Developed a Python-based weather forecasting system capable of retrieving real-time weather data such as temperature, humidity, and wind speed for any location.

- Implemented data storage functionality using Excel files to maintain historical records for trend analysis and reporting. Utilized APIs to fetch live weather information and automated the process of updating and saving data entries.

- Designed the system for easy integration and user interaction through a simple interface and efficient data handling mechanisms.

## EXTRACURRICULAR ACTIVITIES

- Successfully tackled over 150+ Data Structures and Algorithms (DSA) questions in Leetcode and GeeksforGeeks.

- Won 1st prize in a competitive Treasure Hunt event, outperforming 49+ teams through strategic planning and teamwork.