Ujjwal Hirwani

3RD YEAR CSBS STUDENT, VIT VELLORE | ML & AI ENTHUSIAST | FULL STACK WEB DEVELOPER

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Objective

Motivated **B.Tech CSBS** student at **VIT Vellore** with a strong foundation in **Machine Learning, Full Stack Development, and Data Structures.** Eager to contribute technical and analytical skills to real-world projects in dynamic, growth-oriented environments.

Experience

Smartbridge | Machine Learning Intern   **05/2025 – 06/2025**

- Developed and deployed a machine learning project (**GDPredict**) to predict GDP per capita using real-world data.
- Performed **data cleaning**, **EDA**, and **feature engineering** with Python, Pandas, and NumPy.
- Built ML pipelines using **Supervised/Unsupervised Learning** and **Scikit-learn** for efficient model workflows.
- Applied **model selection**, **hyperparameter tuning**, and evaluation with **cross-validation**, **R^2**, and **RMSE**.
- Created **data visualizations** using Matplotlib and Seaborn to present insights to stakeholders.

Education

- **B.Tech in CSE with Business Systems** from VIT Vellore, **CGPA: 9.7 (2023 – Present)**
- **Class XII (CBSE)** – DPS Bhilai, Chhattisgarh, **Scored: 92.4% (2023)**
- **Class X (CBSE)** – DPS Bhilai, Chhattisgarh, **Scored: 93.6% (2021)**

Skills & abilities

- **Machine Learning & Data Analysis:** Scikit-learn, Pandas, NumPy, Matplotlib
- **Full Stack Development:** HTML, CSS, JavaScript, Flask, Git, GitHub, SQL
- **Programming & Algorithms:** Python, C++, Data Structures and Algorithms (DSA)
- **Core CS Concepts:** DBMS, OOPs, Operating Systems (OS)

Projects

- **GDPredict** – A **machine learning** project to forecast **GDP per capita** using real-world data. Built with **Python, Pandas, Scikit-learn**, and deployed on Render. View Live
- **ISOI Official Website** – Developed a responsive website for the **Instrument Society of India** using **HTML, CSS, JavaScript**. View Live

Achievements

- Awarded **Certificate of Merit** for securing **Rank 1 in CSBS branch** twice at VIT Vellore in **2024 and 2025**.
- Received **Prime Minister Trophy** and **Scholarship Certificate** from **SAIL** for academic excellence in **2024**.

Position of Responsibility

- Program Representative – CSBS. (2024- Present)
- Events Head – The Instrument Society of India (ISOI). (2024- Present)