

Ujjwal Hirwani

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

✉ hirwani05ujjwal@gmail.com

☎ +91 7587263830 @ ujjwal-hirwani.github.io/Personal-Portfolio/

in www.linkedin.com/in-ujjwal-hirwani- ○ github.com/ujjwal-hirwani ↗ leetcode.com/u/ujjwal-hirwani/

Objective

B.Tech CSBS student at VIT Vellore with hands-on experience in ML, DL, and Full Stack Development. Seeking an internship to apply and expand my skills in real-world AI and software projects.

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**, **R²**, 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

- **Deep Learning & Computer Vision:** TensorFlow, Keras, Convolutional Neural Networks (CNN), OpenCV, Image Processing, Model Evaluation
- **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

- **BrainSight:** CNN-powered web app for **brain tumor detection** from **MRI scans**. Achieved **95% accuracy** using Python, OpenCV and TensorFlow. [View live](#)
- **GDPredict:** ML-based website predicting **GDP per capita** using real-world data. Achieved **>90% R² score** using Python, Pandas, and Scikit-learn. [View live](#), [View Certificate](#)

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**.

Certifications

- Machine Learning, by **SmartBridge** in collaboration with **Google for Developers**, [View Certificate](#)
- Getting Started with **Artificial Intelligence**, by **IBM SkillsBuild**, [View badge](#)
- Develop **GenAI Apps** with **Gemini** and **Streamlit** Skill Badge, by **Google Cloud**, [View badge](#)