

## KIRTI PRATI HAR

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Github : <https://github.com/KirtiPratihar>

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## SKILLS

- **Programming:** Python, C++, Java
- **Machine Learning & Data Science:** Supervised Learning (Linear & Logistic Regression, Regularization, Gradient Descent), pandas, NumPy, scikit-learn, matplotlib, Data Preprocessing, Model Evaluation, TensorFlow, Pytorch, Keras, Neural Network, XGboost
- **Web Development:** HTML, CSS
- **Databases:** MySQL, Oracle SQL
- **Tools & Platforms:** Git, GitHub, Jupyter Notebook, Figma
- **Other Skills:** OOP, Algorithms & Data Structures
- **Soft Skills:** Leadership, Teamwork, Communication, Problem-Solving, Time Management

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## EDUCATION

- ❖ VIT Bhopal University, Bachelor of Technology in Computer Science with Artificial Intelligence and Machine Learning GPA:8.73 |(Expected: 2027)
- ❖ XII (CBSE)|Kendriya Vidyalaya Bamangachi 84.4%| 2023
- ❖ X(CBSE)|Kendriya Vidyalaya Bamangachi 95.2%| 2021

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## WORK EXPERIENCE

- ❖ **India Space Lab Winter Internship Technical Training Winter 2025**(December-January 2025)
  - Executed **advanced drone flight operations, CubeSat integration, and CanSat deployment.**
  - Collaborated with **industry experts** to analyze **space exploration technologies and engineering frameworks.**
- ❖ **Matrix Club – Technical Lead (VIT Bhopal University)**(January 2025 – Present)
  - Spearheading **technical execution** for **Adreel Fiesta & Escape the Matrix**, enhancing **event engagement.**
  - Orchestrating **digital infrastructure, web platforms, and automation systems** for seamless event management.
  - Developing **interactive challenges and gamified experiences** to boost participant engagement.
- ❖ **OpenSource Contributor | Hacktoberfest**  
October 2024

- Engineered **efficient code contributions**, earning the **3rd badge** for impactful open-source development.
- Optimized **codebases and software solutions** through structured pull requests and peer collaborations.

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## PROJECTS

- ❖ **Breast Cancer Prediction using ML Models ([Link](#))** September 2024
    - Designed a **machine learning pipeline** to compare **Logistic Regression, Random Forest, and SVM** for breast cancer detection.
    - Achieved **95%+ accuracy** using optimized hyperparameters and evaluated models with **precision, recall, and F1-score**.
    - Published a **research paper** as the **corresponding author**, contributing to medical diagnostics.
    - **Tech Stack:** Python, scikit-learn, pandas, matplotlib
  - ❖ **Aapki Sakhi ([Link](#))** August 2024
    - Developed a **platform connecting rural women with NGOs** for menstrual hygiene support and donations.
    - Integrated **video, audio, and text-based feedback** for product reviews and awareness.
    - Deployed a **fully functional website**: [Aapki Sakhi](#)
    - ☐ **Tech Stack:** HTML, CSS, JavaScript, Python, MySQL
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## ACHIEVEMENTS / CERTIFICATES

- ❖ **India Space Lab Internship Exam** – Ranked 79 in a merit-based exam for the [ISL Internship](#) .
- ❖ **1st Prize – InnovMinds Expo Hackathon (VIT Bhopal, Feb 2025):** Developed a dementia support app with AI-based classification and real-time assistance.
- ❖ **Technical Lead**(Matrix Club)- VIT Bhopal University
- ❖ **Core Member Technical Team** (Bit By Bit Club)- VIT Bhopal University [certificate](#)
- ❖ **AI/ML For Geodata Analysis** (Indian Institute of Remote Sensing (IIRS), Indian Space Research Organization (ISRO) - Sep 2024 [Certificate](#)
- ❖ **IU Indianapolis Insights on Computational Data Science** (Indiana University Indianapolis )- Nov 2024 [Certificate](#)
- ❖ **Supervised Machine Learning: Regression and Classification** (Stanford University)-Jan 2025 [Certificate](#)
- ❖ **Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning** (DeepLearning.AI)-March 2025 [Certificate](#)
- ❖ **Advanced Learning Algorithms** (Stanford University)-May 2025 [Certificate](#)