

Harsh Agarwal

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PROFILE

Strong foundation in Machine Learning and working knowledge of Deep Learning techniques. Experienced in building end-to-end data-driven solutions using Python, including data preprocessing, model development.

EDUCATION

Bachelor of Technology in Computer Science and Engineering 2022 – 2026

Arya College of Engineering and IT, Jaipur

CGPA - **8.31**

Senior Secondary (Class XII), CBSE 2021 – 2022

MPS International School, Jaipur

Percentage - **80.5%**

TECHNICAL SKILLS

Languages: Python, C++

Database: MySQL

Libraries & Frameworks: NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, TensorFlow

Machine Learning: Supervised & Unsupervised Learning, Feature Engineering, Model Evaluation

Deep Learning: ANN, CNN, Forward & Backpropagation, Loss Functions (MSE, Cross-Entropy)

PROJECTS

Rent Wise — ML Model for Accurate Rental Price Estimation

<https://rentwise-1.onrender.com>

- Developed an end-to-end rental price prediction system using **XGBoost**.
- **Scraped** and processed 2,000+ MagicBricks listings with **EDA** and **feature engineering**.
- Improved model performance through **hyperparameter tuning** and evaluation.
- Explored scalability towards deep learning-based regression models.

Facial Emotion Recognition System — Deep Learning-Based Emotion Classification

<https://github.com/harshaga819/Facial-Emotion-Recognition-System.git>

- Developed a facial emotion recognition system using **TensorFlow**, **Keras** and **MobileNetV2**.
- Implemented preprocessing, **augmentation**, and **transfer learning** on the CK+ dataset.
- Evaluated model performance using classification metrics.
- Achieved approximately **80% accuracy** for **7-class** emotion classification.

CERTIFICATES

SQL (Intermediate) - Hacker-Rank

Problem Solving (Intermediate) - Hacker-Rank

Introduction to Machine Learning - NPTEL

ACHIEVEMENTS

Solved **150+** coding problems on LeetCode

4 star in c++ at HackerRank

3 star in SQL at HackerRank

INTERESTS

Reading News

Listening to music