

# JATIN KUSHWAHA

Ashta , Madhya Pradesh

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## Education

Vellore Institute of Technology, Bhopal

Int M.Tech CSE (Spec. Computational and Data Science) - **8.52/10**

Holy Angels Higher Sec.School – **88.6%**

Angels Public High School – **85.4%**

September 2021 - Present

Bhopal, Madhya Pradesh

April 2020 – June 2021

April 2018 – May 2019

## Technical Skills

**Languages:** Java, Python

**Machine Learning:** Scikit-learn, Regression, Classification, Clustering, Feature Engineering, Model Evaluation.

**Deep Learning:** Neural Networks, CNN, RNN, NLP, Computer Vision, TensorFlow, PyTorch, Keras, OpenCV.

**Data Analytics & Visualization:** SQL, Matplotlib, Seaborn, Pandas, NumPy, PowerBI,

**Version Control:** Git, GitHub, Streamlit, FastAPI, Flask

## Work Experience

Prodigy InfoTech

Dec 2024 – Jan 2025

Data Science Intern - Python, Scikit-learn, Seaborn, OpenCV, NumPy, Matplotlib

Remote

- Executed **EDA**, data preprocessing, feature selection, sentiment analysis, **geospatial analysis**, and data visualization using Python, Pandas, Seaborn, Matplotlib, Scikit-learn, and NLP techniques.
- Built a Decision Tree Classifier with over **89% accuracy** and extracted actionable insights from Titanic and accident datasets using clustering, **dimensionality reduction**, and feature engineering visualizations.

Quintus Tech Pvt.Ltd, Indore

Oct 2024 – Nov 2024

Web Developer Intern - HTML, CSS, JavaScript, Restful APIs, Git, GitHub

Remote

- Built and optimized a **full-stack e-commerce** website using HTML, CSS, JavaScript, React, and **RESTful APIs**. Implemented secure login/signup authentication and **dynamic product management features**.
- Improved application performance, user experience, System reliability and scalability by integrating the **third-party APIs** and designing a robust **modular backend and architecture**.

## Projects

Freshify - Fruit Detection | Python, TensorFlow, Keras, OpenCV, NumPy, Matplotlib |

Aug 2024

- Developed a Sequential CNN-based model to classify apples, bananas, and oranges as fresh or rotten using a Kaggle dataset (**13.5k images**). Achieved **98.79% accuracy**, with strong precision and recall scores.
- Applied preprocessing, augmentation, and dropout techniques to enhance model robustness, prevent overfitting.
- Explored transfer learning to achieve scalable performance with real world use in agricultural quality control.

EstateVision.AI(Sehore) | Python, TensorFlow, Scikit-learn, Flask, HTML, CSS, JS |

Sep 2025

- Built and deployed a **web application** for real estate price prediction using Random Forest and ANN models, with a Housing.com-style UI, interactive dashboards, and **auto-generated PDF** reports.
- Developed an end-to-end ML pipeline using **2,000+** real estate records  **$R^2 = 0.90$**  achieving high prediction, including preprocessing, feature engineering, EDA, and training ML/DL models (RF, ANN, LSTM).
- Built a Flask deployment system (**Render/VS Code**) with integrated ML/DL models (random-forest.pkl, ann-model.h5) and a research-grade Jupyter notebook for academic and conference presentations.

## Certifications

- Oracle Cloud Infrastructure 2024 Certified Professional in Generative AI Technologies and Applications.
- Oracle Cloud Infrastructure 2025 Certified Data Science Professional
- Career Essentials in Data Analysis Certificate – Microsoft and LinkedIn Learning.
- Applied Machine Learning in Python – University of Michigan.

## Extra-Curricular Activities/Achievements

- Participated in **Gssoc'24** , Merged 45 PRs, secured **130th** rank during **Open source contribution**.
- LeetCode: Solved **150+ problems**, Global Rank - 482,317 , achieving a rating of **1500**, GeeksforGeeks: Solved **80+** problems Institutional **rank under 100**.
- Contributed** to organizing and managing **technical sessions**, coding challenges, and hands-on workshops on Python, machine learning, and data analysis. **Core Member** at Vit Bhopal's **Data Science Club**.