

# JATIN KUSHWAHA

Ashta , Madhya Pradesh

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LinkedIn

Github

## EDUCATION

Vellore Institute of Technology, Bhopal

Int M.Tech CSE (Spec. Computational and Data Science) **CGPA - 8.54**

September 2021 - Present

Bhopal, Madhya Pradesh

Holy Angels Higher Sec.School (M.P.)

HSC MPBSE - **Percentage - 88.6%**

April 2020 - June 2021

Ashta, Madhya Pradesh

Angels Public High School (M.P.)

SSLC MPBSE - **Percentage - 85.4%**

April 2018 - May 2019

Ashta, Madhya Pradesh

## TECHNICAL SKILLS

**Languages:** Java, Python, HTML, CSS, JavaScript(Basic).

**Machine Learning:** Regression Models, Classification Models, Clustering, Scikit-learn.

**Data Analytics, Visualization:** SQL, Tableau, Power BI, Matplotlib, Seaborn, Pandas, NumPy.

**Version Control:** Git, GitHub.

## WORK EXPERIENCE

Web Developer Intern

Oct 2024 – Nov 2024

Quintus Tech Pvt.Ltd

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

## PROJECTS

Fresh vs Rotten Fruit Detection using CNN

Aug 2023

- Developed a 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.
- Technologies: Python, TensorFlow, Keras, OpenCV, NumPy, Matplotlib.

Brain Tumor Detection Using Hybrid Logistic Regression with MRI Images

Nov 2024

- Built a binary classifier using **3,000 MRI images**, applying preprocessing (noise reduction, normalization, augmentation) and evaluating seven ML models for **brain tumor detection**.
- Extracted texture, shape, and intensity features using **GLCM and histograms**, achieving **96% accuracy** with Logistic Regression and Random Forest; evaluated via F1-score, AUC, and confusion matrix.
- Technologies: Python, Scikit-learn, Image Processing, Machine Learning.

## CERTIFICATIONS

- Oracle Cloud Infrastructure 2024 Generative AI Certified Professional
- Coursera Applied ML in Python
- Career Essentials in Data Analysis by Microsoft, LinkedIn

## EXTRA CURRICULARS AND ACHIEVEMENTS

- Participated in **Gssoc'24** open source platform, **secured 165th 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**.
- Winners of **Aahvaan Cricket competition** VIT Bhopal.
- Core Member** at VIT Bhopal's **Data Science Club**

## ADDITIONAL INFORMATION

**Languages:** Hindi (Native), English (Proficient).

**Hobbies:** Travelling, Coding, Cricket