

# 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 - Remote/On-site

Oct 2024 – Nov 2024

Quintus Tech Pvt.Ltd

- 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**.
- Enhanced application performance, user experience, System reliability and scalability by **integrating the third-party APIs** and designing a robust **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 Diagnosis 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. [Web link](#)

## CERTIFICATIONS

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

## 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**.
- Secured **first place** in VIT Bhopal's annual inter-university **Aahvaan cricket competition**.
- 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**.

## ADDITIONAL INFORMATION

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

**Hobbies:** Travelling, Coding, Cricket