

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

September 2021 - Present

Bhopal, Madhya Pradesh

Holy Angels Higher Sec.School – 88.6%

April 2020 – June 2021

Angels Public High School – 85.4%

April 2018 – May 2019

Technical Skills

Languages: Java, Python

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

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

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

Version Control: Git, GitHub, Postman, 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.

NeuroCare | Python, Scikit-learn, Image Processing, Machine Learning | [Web link](#)

Nov 2024

- Built a binary classifier using **3,000 MRI images**, applying preprocessing (noise reduction, normalization, augmentation) and evaluating seven ML models in **brain tumor detection** as Tumor or No Tumor.
- 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.
- Built ML framework for brain MRI analysis using image transformations and features for reliable diagnosis.

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