JATIN KUSHWAHA

Ashta , Madhya Pradesh

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Education

Vellore Institute of Technology, Bhopal	**September 2021 - Present**
Int M.Tech CSE (Spec.Computational and Data Science) **CGPA - 8.54**	*Bhopal, Madhya Pradesh*
Holy Angels Higher Sec.School (M.P.)	**April 2020 - June 2021**
HSC MPBSE - **Percentage - 88.6%**	*Ashta, Madhya Pradesh*
Angels Public High School (M.P.)	**April 2018 - May 2019**
SSLC MPBSE - **Percentage - 85.4%**	*Ashta, Madhya Pradesh*

Technical Skills

Programming Languages: Java, Python, HTML, CSS, JavaScript(Basic).
ML & Libraries: Regression Models, Classification Models, Clustering,NumPy,Scikit-learn.
Data Analytics,Visualization: SQL, Tableau, Power BI, Matplotlib, Seaborn,Pandas
Version Control: Git,GitHub.

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, **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