

# DEVENDRA SINGH

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## EDUCATION

Vellore Institute of Technology, Bhopal

Int M.Tech CSE (Spec. Computational and Data Science) **CGPA - 8.58**

September 2021 - Present

Bhopal, Madhya Pradesh

Green Field Higher Sec.School (M.P.)

HSC MPBSE - **Percentage - 87.2%**

April 2020 - June 2021

Kothari Kalan, Madhya Pradesh

Green Field High School (M.P.)

SSLC MPBSE - **Percentage - 88%**

April 2018 - May 2019

Kothari Kalan, Madhya Pradesh

## TECHNICAL SKILLS

**Languages:** Java, Python

**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

Data Science Intern

Nov 2024 – Dec 2024

Prodigy InfoTech Pvt.Ltd

- Appointed Data Science intern at **Prodigy InfoTech**, worked on data preprocessing, ML Model development, optimization, and visualization using Python, Pandas, Numpy, Matplotlib, Scikit-learn

## PROJECTS

Fake News Detection Using Machine Learning

Aug 2023

- Developed a hybrid **CNN-LSTM** neural network model for fake news stance detection achieving **79.88% accuracy** on FNC dataset with **75,385 labeled** instances across four stance categories (agree, disagree, discuss, unrelated)
- Performed extensive NLP preprocessing including tokenization, stemming, and Word2Vec embeddings to extract contextual features from news headlines and body text.
- Technologies: Python, ML, DL (CNN-LSTM), NLP, feature engineering, and ensemble methods Python Library.

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
- Data Analytics With Specialisation in Tableau

## EXTRA CURRICULARS AND ACHIEVEMENTS

- Participated in **Gssoc'24** open source platform, **secured 165th rank** during **Open source contribution**.
- LeetCode**: Solved 100+ problems, Global Rank - 480,112, achieving a rating of 1500, **GeeksforGeeks**: Solved **100+ problems** **Institutional rank under 100**.
- Received Golden Trophy **Human Society/Education** Best Award In School 12th Class.
- Core Member** at VIT Bhopal's **Data Science Club**

## ADDITIONAL INFORMATION

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

**Hobbies:** Travelling, Coding, Cricket, Volleyball, Cooking