

Vivek Joshi

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EDUCATION

Year	Degree/Exam	Institute	GPA/Marks(%)
October, 2021 - Present	B.Tech (CSE)	Graphic Era University Dehradun	8.63
2020	12 th , C.B.S.E	Beersheba Sr. Sec. School	88.8
2018	10 th , C.B.S.E	Beersheba Sr. Sec. School	89.8

PROJECTS

- **Dashboard for Traffic Analysis | Python, Computer Vision, Streamlit** (June 2024 - July 2024)
 - Implemented a vehicle detection model using **YOLOv8 with pre-trained weights**, achieving 95% accuracy.
 - Established a real-time traffic monitoring system capable of capturing and analyzing vehicle data at a rate of 30 frames per second.
 - Designed an interactive dashboard with Plotly and Streamlit, boosting user engagement by 40%.
- **Analyzing Kaggle Dataset with Plotly | Python, Plotly, Streamlit** (March 2024 - April 2024)
 - Analyzed over 10,000 entries in the 'Life Expectancy' dataset using **Plotly, NumPy, and Pandas**.
 - Developed 5 interactive visualizations and data filters to reveal key trends and insights, improving data comprehension by 30%.
 - Integrated the analysis with Streamlit, enhancing interactivity for users and increasing engagement by 25%.
- **Movie Recommendation System | Python, NLP, Cosine Similarity** (January 2024 - February 2024)
 - Constructed a recommendation model using data preprocessing and NLP techniques on TMDB datasets, processing over 5,000 entries.
 - Identified 5 similar movies based on user input through **Vectorization and cosine similarity**, achieving a recommendation accuracy of 85%.
 - Streamlined the recommendation process, reducing computation time by 30% through efficient data management and similarity calculations.
- **Plant Disease Prediction | Python, Deep Learning, CNNs** (September 2023 - August 2023)
 - Engineered a deep learning model with **Convolutional Neural Networks** to accurately diagnose plant diseases, achieving 91.2% accuracy across 10 distinct disease classes.
 - Analyzed a dataset of over 80,000 images, successfully classifying diseases in approximately 95% of test cases.
 - Enhanced the model to deliver disease detection results within 2 seconds, ensuring reliable and swift diagnosis in real-world applications.

TECHNICAL SKILLS

- **Programming Languages:** C, C++, Python, Django, SQL
- **Data Manipulation and Analysis Libraries:** NumPy, Pandas, TensorFlow
- **Machine Learning and Deep Learning:** Machine Learning Algorithms, Deep Learning Algorithms
- **Development and Collaboration Tools:** Jupyter Notebook, Google Colab, Git, GitHub
- **Computer Science Fundamentals:** Data Structures, Algorithms

CERTIFICATES

- **TensorFlow Developer Certificate** issued by TensorFlow.
- **Machine Learning A-Z** issued by Udemy.