NAMAN SHUKLA

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ABOUT ME

I am a Computer Science Engineering student with a strong interest in Machine Learning and AI. I enjoy building intelligent systems that solve real-world problems and have hands-on experience with model development, data analysis, and deployment. Always eager to learn and innovate, I thrive in dynamic tech environments.

EDUCATION

SHARDA VIHAR RESIDENTIAL SCHOOL
July 2021 - May 2022 ,   Class - XII   80%

SHARDA VIHAR RESIDENTIAL SCHOOL
July 2019 - May 2020 ,   Class - X   88.6%

JAYPEE UNIVERSITY OF ENGINEERING AND TECHNOLOGY
Aug 2022 - Present   B.Tech, CSE   CGPA : 6.5

SKILL

- **Languages**   : Python, C, C++, JavaScript, Java
- **Domain**   : Machine Learning
- **Frameworks** : Scikit-Learn, Tensorflow, Pytorch, Keras, OpenCV, Streamlit, Selenium
- **Databases**   : MySQL, MongoDB
- **Tools**   : Git, VS Code , Jupyter Notebook

PROJECTS

Smart Parking Management System   **OCTOBER 2024**

Developed an AI-powered Smart Parking Management System, integrating vehicle classification, parking occupancy detection, and automated number plate recognition, reducing manual intervention by 80% and improving parking efficiency by 60%.
Implemented YOLOv8-based real-time object detection, leveraging a custom-trained deep learning model for vehicle classification and parking space detection, achieving 95% accuracy and reducing detection time by 40%.
Designed and deployed a Flask-based web application to provide real-time parking availability visualization, automated vehicle logging, and database-driven record management, improving data retrieval speed by 50% and reducing entry/exit processing time by 30%.

Brain Tumor Classification   **December 2024**

Developed a Convolutional Neural Network (CNN) model to classify brain tumors from MRI images. The project involved data preprocessing techniques such as resizing, normalization, and augmentation to enhance model performance. Utilized TensorFlow and Keras for building and training the model, achieving accurate classification results. Evaluated model performance using appropriate metrics to ensure reliability.

AI Medical Image Analyzer   **February 2025**

Developed an AI-powered medical image analysis system using Python, OpenCV, and LLaMA APIs to process and interpret medical images. The system enables efficient disease identification and provides AI-driven insights by analyzing images and responding to user queries, enhancing diagnostic support

Content based Movie Recommendation System   **April 2025**

Content-Based Movie Recommendation System – Developed a personalized movie recommendation system using Python, NLP (TF-IDF, Cosine Similarity), Pandas, and Scikit-Learn. The system analyzes movie attributes like genre, actors, and plot to suggest similar movies based on user preferences, ensuring accurate and tailored recommendations without relying on external user data.

COURSES

Data Structures and Algorithms	Computer Networks
Operating Systems	Object Oriented Programming
DBMS	