Akanksha Shrivastava

9528176664 | shriakanksha02@gmail.com | https://www.linkedin.com/in/akanksha-shrivastava-8164532b1/ |
https://github.com/Akanksha-020

Summary

I'm a Computer Science and Engineering student specializing in Artificial Intelligence and Machine Learning. My passion lies in harnessing data to solve complex problems, a journey that began with my deep dive into the world of data science. My coursework and independent learning have provided me with a strong foundation in machine learning principles and the entire data science pipeline. I am proficient in Python and key libraries like Pandas, Scikit-learn, and TensorFlow. I'm dedicated to applying my skills in a professional setting and am eager to contribute to innovative, AI-driven solutions.

Technical Skills

Programming Languages: Python, C++, SQL, JAVA

Deep Learning Frameworks: TensorFlow, PyTorch

Libraries & Tools: NumPy, Pandas, Scikit-learn, OpenCV, Kivy , Git, Docker

Projects

Text to handwriting App
Machine Learning Project *Python, TensorFlow, OpenCV, Kivy*

- The app uses machine learning to generate realistic handwriting, with a key feature allowing users to upload their own handwriting for a truly personalized and authentic output that bypasses common AI detection methods
- Users can select from various paper textures or upload custom backgrounds. The app also offers robust controls for ink color and weight, ensuring the final output looks convincingly like real pen on paper
- Designed for speed and quality, the app quickly converts text into high-resolution, print-ready documents. The final files can be exported in formats like PDF or JPEG, ready for printing or digital sharing

Object Detection
Deep Learning Project *YOLO V7, V8*

- built a unique dataset of over 2,000 images, meticulously capturing a wide array of smart devices like laptops, tablets, and smartwatches. This focused data collection was crucial for ensuring the model's accuracy and adaptability to real-world conditions
- We leveraged the YOLO (You Only Look Once) model for its speed and efficiency in real-time object detection.. The training process involved fine-tuning the model to recognize the specific features of our smart devices, optimizing it for both high speed and accuracy
- The final model is a highly effective tool for real-world tasks such as inventory management and security surveillance. It demonstrates a practical application of computer vision and a strong understanding of the end-to-end machine learning pipeline

Education

VIT Bhopal University Bho
Bachelor of Technology in Computer Science and Engineering with specialization in Artificial Intelligence and Machine Learning *S*

Certifications

- Certified in Internet of things course offered by Nptel with being in the top 2 percent
- Completed an 8-week virtual internship with Salesforce, focusing on developer fundamentals and hands-on tasks with Agentblazer
- Completed a virtual internship on Artificial Intelligence and Data Analytics, focusing on green skills and sustainability under the AICTE, Shell India, and Edunet Foundation's "Skills4Future" program