Atharva Choudhari

About Me

I am a passionate Machine Learning with expertise in Python, LangChain and HuggingFace Transformers. I love creating real-life ML applications.

Education

BE in Computer Engineering

2021 - 2025

Pune Institute of Computer Technology

Projects

Classroom Cellphone Detection and Analysis

October 2023

College classrooms' recorded CCTV videos were used as dataset. Two Models were trained: 1. For detecting Cell-Phones and their Users 2. For detecting Tables. YOLOv8 (s, m, l) sizes were trained and YOLOv8m (55 epochs) gave the best results- 89.6% mAP50. This model along with Table Detection Model were used to identify tables where students used cell-phones and analyze their cell-phone usage.

Multi-Language Invoice Extractor

December 2023

Used Google's Gemini Pro API to perform Visual Question Answering (VQA) on English and Hindi GST Invoices. Basic UI using Streamlit.

Custom Blog Generation

November 2023

Used LLaMA2-7b model's HuggingFace API and LangChain to generate blog from user provided word length, blog topic and target reader. Basic UI using Streamlit.

Certifications

Deep Learning Specialization Link

Neural Networks and Deep Learning, Improving Deep Neural Networks, Structuring Machine Learning Projects, Convolutional Neural Networks, Sequence Model

Machine Learning Specialization Link

Supervised Machine Learning, Advanced Learning Algorithms, Unsupervised Learning, Recommenders, Reinforcement Learning

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