

Yuvraj Singh

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EDUCATION

Army Institute of technology

BE Mechanical , GPA-7

Pune

06 2021 - 06 2025

Shiksha High School

PCM ,GPA-7

Hyderabad

03 2020 - 04 2021

TECHNICAL SKILLS

Programming Languages: Python, C++ , javascript

Libraries and Tools: PyTorch, Sklearn, Pandas, Numpy, OpenCV, Git, Docker,Azure, Streamlit

Designing: CNN, YOLO, Transformers(BERT, LSTM), RAFT, RNN, Llm

WORK EXPERIENCE

Data Science

Edusory Solutions,Argra(UP), INDIA

04 2024 - Present

- Optimized LLM (ChatGPT) through LangChain, achieving a 20 percent improvement in response relevance and a 30 percent increase in user engagement; successfully deployed upgraded model across systems accessed by 2,000+ users on multiple platforms
- Developed an AI video generation feature from text prompts, producing over 50,000 unique videos and boosting user engagement.
- Contributed to developing an interactive chatbot with advanced language and video generation capabilities, handling over 100,000 interactions to enhance customer experience and operational efficiency.

ML Engineer

Suvidha Foundation, Nagpur(Maharashtra), INDIA

10 2023 - 12 2023

- Orchestrated successful fundraising efforts in my NLP role, surpassing Rs 10,000, amplifying project strategy within financial bounds.
- Pioneered an automatic summary generator for NLP projects, processing 200,000+ documents, enriching machine learning proficiency
- Elevated project strategy and execution capabilities within financial constraints, raising funds exceeding Rs 10,000,

PROJECTS

- IntelliGPT (llm)**, Enhanced ChatGPT to extract precise context from targeted PDFs, integrating document understanding functionalities, and deployed it on over 500 corporate documents. Resulted in heightened content accuracy and relevance, improving overall document comprehension.
- Engineered a refined version of Enhanced ChatGPT tailored for extracting context from PDFs. [GitHub](#)
- Face Mask Detection (CNN)**, Engineered a real-time system employing Convolutional Neural Networks (CNNs) to differentiate between masked and unmasked faces. Successfully implemented in over 3 public locations, it plays a pivotal role in promoting public health safety and enforcing mask mandates.
- Achieved a remarkable 90 percent accuracy rate in distinguishing between masked and unmasked faces [GitHub](#)
- Movie Sentiment Prediction (NLP)**, Developed a sentiment analysis system that processed over 10,000 movie reviews, facilitating a deeper understanding of audience reactions and preferences
- Utilizing NLP techniques to achieve a 86 percent precision rate in the movie review project.. [GitHub](#)

ACHIEVEMENTS

- SIH - Our software solution, presented at the Smart India Hackathon, alerts communities about impending floods using real-time data analytics and environmental monitoring, enhancing safety and preparedness and shortlisted among top 10 teams.
- CODEFORCES - Currently, my maximum rating on Codeforces is 860, indicating my growing proficiency and dedication to competitive programming challenges

POSITIONS OF RESPONSIBILITY

- TE member** in Trinity AIT - 11 2023 - Present
- SE member** in Radio Club - 07 2022 - 07 2023