JAYESH VISHWAKARMA

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SUMMARY

AI/ML enthusiast with hands-on experience in Deep Learning, NLP, and Generative AI. Built and deployed real-world AI projects using TensorFlow, Hugging Face, and FastAPI. Currently pursuing Integrated MCA, actively seeking an internship or entry-level role to apply my skills and grow with a dynamic team.

TECHNICAL SKILLS

Programming: Python
ML/DL Frameworks: TensorFlow, Keras, scikit-learn, XGBoost, Neaural Networks
Generative AI & Transformers: BERT, BART, T5, Hugging Face Transformers, Sentence-Transformers
Computer Vision: YOLO, OpenCV, CNN, MediaPipe
Data Science & Visualization: NumPy, Pandas, Matplotlib, Seaborn
NLP Tools: NLTK, SpaCy
Deployment & Web Apps: FastAPI, Streamlit
Tools & Version Control: VS Code, Git, Github, Google Colab, Jupyter Notebook
Data Structures and Algorithms

PROJECTS

Resume Ranker AI
Video Demo | GitHub | Deployed using FastAPI and Render

- Developed an AI-powered Resume Ranking app that scores resumes based on job description relevance using Sentence-BERT embeddings.
- Built a backend REST API with FastAPI to handle PDF resume uploads, text extraction, and semantic similarity computation.
- Integrated a simple HTML/CSS/JS frontend to collect input and display ranked results from the FastAPI backend.
- Deployed the full-stack application on Render to provide a live, interactive demo for resume screening.

AI Portfolio Maker (Auto Resume Site Generator)

GitHub |

- Built an AI-based tool to extract personal details, skills, education, and projects from plain text resumes.
- Used spaCy and regex to identify structured data like name, email, phone number, and GitHub links.
- Generated clean JSON outputs for use in automatically creating personal portfolio websites.
- Designed logic to support flexible resume formats and improve compatibility with varying input styles.

Speech Emotion Recognition

GitHub |

- Developed a machine learning model to detect human emotions from speech using the RAVDESS dataset.
- Extracted MFCC (Mel-Frequency Cepstral Coefficients) features for accurate audio-based emotion classification.
- Trained a Random Forest classifier with audio preprocessing to classify emotions like happy, sad, angry, etc.
- Saved trained model for real-time emotion prediction from audio files.

EDUCATION

Acropolis Institute Of Technology And Research Indore
Integrated Master of Computer Applications 2022-Present (Expected 2027)

COURSE WORK

DBMS | System Design | Artificial Intelligence | Operating Systems | Computer Network