HUZAIFA KHAN

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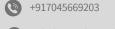workwithhuzi@gmail.com

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SUMMARY

Highly motivated with a passion for Artificial Intelligence and Machine Learning. Skilled in designing and implementing AI models and algorithms for data analysis and prediction. Strong background in computer science and a solid understanding of AI frameworks and technologies. Committed to leveraging AI and ML to solve complex problems and drive innovation.

SKILLS

- Fluent with AI & ML Frameworks
- Data Analysis and Visualization
- Version Control: Git, GitHub
- Computer Vision: OpenCV
- Database: MongoDB
- Containerization: Dockers
- Frontend: HTML, JavaScript
- Web Framework: Flask

MAJOR PROJECTS

Native AD Gen

- *A Software that takes input from the user in the form of Product name and its description*
- *Generates an advertisement in the form of a picture*
- *Works perfectly for all other languages as well, such as Hindi, Gujarati, Marathi, Arabic, etc.*
- *Creates custom-sized images for Instagram, Facebook, and YouTube ads based on user specifications.*

CinemASKit (Movie Recommender System)

- *A Model that uses a content-based approach to give recommendations.*
- *Has a user-friendly front-end web application build using Streamlit.*
- *Containerization using the Dockers*
- *Deployment of the application using Google Kubernetes Engine.*

Bulletin Emotion Tracker

- *Python-based News Sentiment Analyzer using NewsAPI and TextBlob.*
- *Generates sentiment distribution visualizations and saves them as images.*
- *Automated storage of analyzed News and sentiments into an Excel file.*
- *Robust API integration and error handling for reliable script operation.*

Other OpenCV Projects

- **Face Detection:** *A model that detects face in real time using cv2 and haarcascades.*
- **Hand Tracking:** *A model that tracks hand and fingers in real time using cv2 and mediapipe.*
- **Optical Character Recognition:** *Detects Computer generated or handwritten content in an image and converts it into text format using Pytesseract , EasyOCR and cv2*

HACKATHONS

Smart India Hackathon (Institute Winners)

- *Developed a Mental Health Screening app to help users assess their mental health.*
- *Utilized HTML, CSS, and JavaScript for a responsive and user-friendly interface.*
- *Implemented the backend in Python, ensuring robust data handling and processing.*
- *Leveraged Flask for efficient routing and server-side logic.*
- *Provided users with accessible and immediate insights into their mental well-being.*

HACKANOVA 2023 (4th in Domain)

- *Developed "Budget Buddy," a personal finance management web application using Flask.*
- *Included financial calculators, YouTube video recommendations, receipt scanning, and chatbot interactions.*
- *Implemented user registration and login with credentials stored in MongoDB.*
- *Utilized OCR techniques for processing uploaded receipt images.*

EDUCATION

Thakur College of Engineering and Technology

B.Tech in Artificial Intelligence and Data Science: 2021-25

RJ College, Ghatkopar

Junior College (11th and 12th) in Science: 2019-21

CERTIFICATIONS

IBM Data Science Professional Certificate

5x Different Sub-Certificates

Havard University's CS50P

Python Programming, Testing