

Umair Khan

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📍 Sultanpur , UP , 228001 Availability location : Open to all Location in India

Education

Kamla Nehru Institute of Physical And Social Sciences , Sultanpur

Nov 2020 - July 2024

B.Tech

Computer Science And Engineering

Skills

Languages

- Python , Java

ML/DL Frameworks

- TensorFlow, PyTorch, Scikit-learn , NLP , Keras(basic)

Tools

- Git, Jupyter, Pandas, NumPy, OpenCV, Matplotlib , Tableau, Docker(Basic) , AWS (Basic)

Math

- Linear Algebra, Calculus, Statistics, Probability

Project

[Real-Time-Video-Edge-Detection-Using-OpenCV](#)

- Developed a real-time edge detection system using the Canny algorithm, capturing and processing video frames from the webcam.
- Enhanced edge detection accuracy by converting video frames to grayscale.
- Displayed processed video with real-time edge detection results using OpenCV.
- Technologies: OpenCV, Python

[Detecting-Toxicity-in-Online-Comments-Building-an-AI-Model-for-Harmful-Content-Detection](#)

- Built an AI model to detect toxic and harmful content in online comments using NLP techniques.
- Preprocessed and cleaned text data, then trained classification models to identify various types of toxicity.
- Evaluated and fine-tuned model performance to achieve high accuracy in detecting toxic comments.
- Technologies: Python, Scikit-Learn, TensorFlow, Pandas

[African-Banking-Crisis-Prediction](#)

- Constructed a predictive model for banking crises using machine learning techniques and economic data.
- Performed data preprocessing and feature engineering to enhance model performance.
- Visualized key trends and model predictions using Plotly Express to interpret results effectively.
- Technologies: Python, Scikit-Learn, Pandas, Plotly Express

Experience

Spacept

[Machine Learning Engineer Intern](#)

Dec 2023 - Feb 2024

- Library and Format Upgrades: Upgrading existing systems to utilize the latest libraries and formats error-free.
- Inference Class Development: Creating an inference class for model inference on images, including loading models and performing inference operations.
- Model File Management: Managing and ensuring accessibility of model files within the GitHub repository, providing support if needed

Ybi Foundation

[Machine Learning Engineer Intern](#)

Oct 2023 - Nov 2023

- AI and ML internship at Ybi Foundation under expert mentorship
- Gained hands-on experience in data analysis, predictive modeling, and AI algorithms
- Enhanced skills in cutting-edge AI/ML technologies and practical applications