GAJJAR KHUSHI
Machine Learning Engineer

| [LinkedIn](#) | [GitHub](#) | [Email](#) |

EDUCATION

B.E. in Computer Engineering

Gujarat Technological University   Aug '20 - July '24

Currently in 7th Sem with **8.65 CGPA**   Gujarat, India

Technical Proficiencies

Languages: Python, C / C++, SQL
NLP: NLTK, LSTM, Transformers, Named Entity
Computer vision: OpenCV, Tensorflow, PyTorch, YOLO, Object Detection
Data Analytics / Science: Statistics, NumPy, Pandas, Matplotlib, Seaborn, BeautifulSoup, Plotly
Database/others: Git, Firebase, MySQL
Web Technologies: Flask, Django

WORK EXPERIENCE

BroaderAI IT Solutions

AI/ML Intern   Jul'23- Present

- Spearheaded website backend development, and transitioned to advanced machine learning and deep learning models, including OpenCV-based projects such as document scanning, mango leaf disease detection, and object detection.
- Managed data extraction and conversion, using pdfplumber to transform files into editable documents and tables into CSV, while efficiently extracting images from PDFs.
- Contributed to a project involving text-to-speech conversion with user voice cloning, gaining valuable experience and improving project capabilities.
- Demonstrated a growing competence in computer vision and pose estimation by applying YOLO and MediaPipe in practical scenarios, contributing to innovative project development.

PROJECTS

Malaria Cell Classifier: Neural Network, Image Processing, Tensorflow, Keras, Machine learning libraries, Streamlit to create a UI where the user inputs the cell image and the system outputs whether the cell is parasitized or uninfected.[Source Code]

English to French Translator: Developed a Flask-based web application that allows users to enter English text and receive real-time translation to French. Utilized the Googletrans library to facilitate language translation and integrated responsive design with HTML and CSS for an intuitive user experience.[Source Code]

Real-Time Hand Gesture Recognition: Developed a real-time hand gesture recognition system using Python, OpenCV, and Mediapipe, enabling the detection and interpretation of multiple gestures for interactive applications. [Source Code]

Research Paper

Cross-Cultural Multilingual Sarcasm Analysis in Indian Dialects   Sep '23- Present
Authors: Dr. Mitali Desai, Gajjar Khushi, Raval Meet

- The research involves the development of natural language processing (NLP) models and techniques to identify and analyze sarcastic language in diverse Indian regional dialects.
- Collaborating closely with fellow researcher Raval Meet under the guidance of Dr. Mitali Desai, actively refining and optimizing the implementation for increased accuracy and robustness in multilingual sarcasm detection.

Professional Certifications

The Complete Python Bootcamp From Zero To Hero In Python: Completed 'The Complete Python Bootcamp From Zero To Hero In Python' on Udemy, demonstrating strong Python skills and problem-solving abilities, enhancing my capabilities for effective project contributions.[Credentials]

Complete Machine Learning and Data Science Bootcamp 2023: Currently enrolled in the 'Complete Machine Learning and Data Science Bootcamp 2023,' actively pursuing knowledge and skills in machine learning and data science to stay current with industry trends and advance my proficiency in the field.

SOFT SKILLS

Problem-Solving   Communication   Interpersonal   Teamwork