Arjun Vankani

vankaniarjun0103@gmail.com | Mo. 8866910911 |

Passionate ML researcher. Insane dedication & Resilience: my two superpowers.

EDUCATION

DA-IICT (DHIRUBHAI AMBANI INSTITUTE OF ICT)
M.TECH IN ICT - MACHINE LEARNING
2022 – 2024 | Gandhinagar, Gujarat
CPI: 7.54

Gujrat Technology University
B.E. IN COMPUTER ENGINEERING
2018 – 2022 | Bhavnagar, Gujarat
CPI: 9.13

SKILLS

PROGRAMMING LANGUAGES
•Python •C •C++ •Java

TOOLS AND TECHNOLOGIES
AI
•Numpy •Pandas • Scikit learn
•Keras •Tensorflow •Matplotlib •Plotly
•NLTK •OpenCV •Hugging Face
Software
•GIT •Docker •VS Code •MySQL
•PostgreSQL •HTML •CSS •LaTeX •Flask
•Django •Streamlit •Andriod •Unity
•Power BI •Tableau •MATLAB

PG COURSEWORK

Machine Learning
Deep Learning
Deep-NLP
Recommendation System
Computer Vision

CERTIFIED COURSE

IBM
Python for Data Science

University of MICHIGAN
Applied Machine Learning in Python

Udemy
MERN Instagram Clone

INTERESTS

•Nature •Traveling •Chess/Badminton

EXPERIENCE

DAIICT | Teaching Assistant

July 2022 - Present | Gandhinagar

- Managed various courses under Professors Manish Khare, Naveen Kumar, and Lavneet Singh. Responsibilities included overseeing lab work and task allocation to TAs, leading lab sessions and tutorials for B. Tech and MSc IT students, teaching C language, DSA, JAVA, and OOP concepts.

Floatbot | Intern as NLP Engineer

Jan 2022 - Jun 2022 | Bhavnagar

- I designed NLP models for Indic languages, facilitating precise comprehension, sentence completion, and news categorization for Voice bot and Chatbot. The deployment was executed on Docker with the utilization of Fast API to ensure efficient language understanding.

PROJECTS

Object Identification and Segmentation Methods for Surveillance Videos: GUIDE: Prof. Manish Khare, Prof. Amit Mankodi

- Implemented object identification and segmentation using CNN and deep learning.
- Conducted comparative assessments of various Yolo versions and object tracking techniques to improve object detection accuracy and precision.
- Project's core objective: Video monitoring capabilities in domains such as security, public safety, and intelligent video analytics through precise object detection and segmentation.

Image Captioning: Guide: Prof. Rachit Chhaya

- Using the attention-based and CNN-LSTM methods, we tried to improve the result by correcting the BLUE score of true captions.
- The goal is to generate accurate and descriptive captions for images by leveraging CNN for image feature extraction and RNN for language modeling.

Movie Recommendation System: Guide: Prof. Arpit Rana

- Collaborative filtering techniques provide personalized movie recommendations to users based on their past preferences and similar user behavior, Deploy on Fast API

AR Person Presenter: Guide: Prof. Chinmay Vyas

- Created 3D model from persons image and gave some pre define gestures, who can present good gestures in augmented model using UNITY.

ACHIEVEMENTS

- Awarded Shri Dewang Mehta IT award for being the Top Ranker (2022) in academics during Bachelor of Engineering
- Won 3rd Rank for GPS rover for Military and Fire safety purpose at ROBOFEST 2.0 EVENT, Organized by GUJCOST