Viraj Ajani

M.Tech – Computer Science and Engineering

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Education

Dhirubhai Ambani University	2024 - Present
CPI: 7.19	*Gandhinagar, Gujarat*
ITM (sls) Baroda University	2020 - 2024
CPI: 7.33	*Vadodara, Gujarat*

Experience

Novus Ark	Jan 2024 – April 2024
AI/ML developer	*Vadodara, Gujarat*

- Built a Resume Classifier.
- Used different types of resume parser along with GENAI(Gemini) to parse resume and classified using K-means classifiers.

Projects

Image-Text matching (ongoing) | *Pytorch, Transformers*

- Working on Enhanced Semantic similarity for image-text matching paper for Text to Image retrieval.
- Working on Retrieving Image from Hindi text.

FASS: Face Anti-Spoofing System | *Vision Transformers (ViT), ResNet, SVM*

- Reproduced and improved the FASS system by replacing ResNet with ViT for feature extraction.
- Achieved a 1% improvement in accuracy and reduced Equal Error Rate (EER) by 0.04 on the LCC-FASD dataset.
- Used SVM classifier with ViT features for robust spoof detection.

Disease Prediction System | *HTML, CSS, Flask, KNN, Decision Tree*

- Built a web-based disease prediction system using KNN and Decision Tree classifiers on a medical dataset from Kaggle.
- Collaborated in a team to enhance model accuracy and deployed the solution as a functional website for user interaction.

Other Projects | *Tensorflow, keras, YOLOv8*

- Collaborated with team to built Disease Prediction System, used KNN and Decision Tree classifiers to predict disease from symptom.
- Built basic computer vision projects like image classification, object detection and image segmentation.
- Stock management website for wholesalers in wedding card industry.

Technical Skills

Languages: Python
Developer Tools: VS Code
Frameworks: Flask
Cloud/Databases: SQLite
Soft Skills: Leadership, Teamwork, Communication, Decision-making & problem-solving
Coursework: Machine Learning
Areas of Interest: Computer Vision

Position Of Responsibility

Member	September 2024 - Present
Cafeteria Management Committee	

- Oversaw cafeteria operations at DAIICT, ensuring food quality, addressing student feedback, and developing skills in team coordination, communication, and operational management.

Achievements

- Winner at inter university level Coding competition (Bro-Code) at Prakarsh 2022, at SVIT Vasad.
- Winner of Codeathon 2022 at ITM (sls) Baroda University, Vadodara.