



ARNISH SATASIYA

B.Tech, Information and Communication Technology

EDUCATION

Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT)

CPI: 8.32

📅 Nov 2020 – Present 📍 Gandhinagar, Gujarat

Class 12th Ashadeep Vidhyalaya (GHSEB)

Percentage: 87.85 %

📅 2019 – 2020 📍 Surat, Gujarat

Class 10th Sadbhavana Vidhyalaya (GSEB)

Percentage: 96.67 %

📅 2017 – 2018 📍 Surat, Gujarat

SKILLS

Area(s) of Interest : Machine Learning, Deep Learning (Computer Vision), App Development, Data Structure and Algorithms, OOPs, Competitive programming

Programming Languages : C, C++, Python

Tools and Technologies : Tensorflow Keras, OpenCV, SciPy, Scikit-learn, NumPy, Pandas, Matplotlib, MATLAB, LaTeX, Flutter, Node.js

Technical Electives : Machine Learning, Deep Learning Specialization, Data Structures, Design and Analysis of Algorithms, Object Oriented Programming.

EXPERIENCE

DAIICT:

📅 March 2022 - May 2022

- Optical camera based marker tracking: Tracking of ArUco marker (Used in most of AR application) by its world points. We used this marker to register the knee points.

- **Guide:** Prof. Anil Roy & Prof. Bakul Gohel

PROJECTS

Remote Photoplethysmography using Unsupervised learning approach:

📅 July 2022 - Present

- rPPG, a way to measure biological vital sign without skin contact. It uses a video recording or live feed of the face to analyse subtle changes in skin color.

- **Team Size:** 2

Brain Tumor Segmentation on 2D and 3D MRI:

📅 October 2022-Present

- Segmentation will identify the part of the brain which is affected. We are using the U-net model for Tumor segmentation

- **Guide:** Prof. Bakul Gohel

- **Team Size:** 1

Sentiment Analysis :

📅 January 2022

- Sentiment analysis is a natural language processing (NLP) technique used to determine whether data is positive, negative or neutral.

- **Guide:** WOC 2022

- **GitHub Link:** [Sentiment Analysis](#)

Employee Management Platform:

📅 Feb 2023 - March 2023

- A unified platform that covers all the requirements of employee management systems built using Node.js and Flutter

- **Guide:** Prof. Saurabh Tiwari

- **Team Size:** 4

POSITIONS OF RESPONSIBILITY

Core member of AI Club

- **Organizing and handling sessions on AI and Machine learning for junior batches**

📅 February 2022 – Present

Event Organizer

- **Coordinated with a team for organizing Code Mutants, a technical coding event held in our collage's Techno-cultural Fest Synapse'22**

📅 April 2022

Associate member of AI Club

- **Conducted sessions on Machine learning for junior batches**

📅 October 2021 – February 2022

ACHIEVEMENTS

- Got first place in Winter of Code'2022 conducted by DAIICT.
- Solved 1000+ Coding Problems
- All Gujarat Rank 9th in Class 10th

INTERESTS

- AI in Healthcare
- Competitive Programming
- Blogging
- Reading