

ANKIT DIGHE

Thane, Maharashtra - 400601

+91-9372847424

✉ ankitdighe29@gmail.com

in [Ankit Dighe](#)

github.com/ankitd29

Education

Sardar Patel Institute of Technology

Expected May 2025

Bachelor of Technology in Computer Science & Engineering (AI/ML)

CGPA: 8.57

Arya Gurukul International College

2019-2021

XIIth Grade (HSC)

Grade - 97%

Technical Skills

Programming Languages: Python, C, SQL, JavaScript, HTML/CSS

ML/AI: Numpy, Pandas, LLMs, Matplotlib, Scikit Learn, Seaborn, OpenCV, Tableau

Technologies/Frameworks: Linux, Git, GitHub, Excel, Hadoop, Hive, MySQL, MongoDB, Flask, ReactJS

Projects

Audio-Ally | Python, NLP, LLMs HuggingFace

Ongoing

- Devised a platform facilitating communication between audio and sign language users.
- Implemented advanced LLM models for accurate audio-to-text conversion, followed by text-gloss-pose methodologies to translate text into sign language.
- Utilized few-shot learning to convert captured text into gloss, integrated with pose generation using a dataset comprising over 12000+ videos, resulting in the creation of a sign language video.

Equipped! | Python, Numpy, Scikit-Learn, XGBoost, OpenCV, LLMs

Mar 2024

- Created a website that uses historical machine data to accurately forecast maintenance schedules.
- Trained machine learning models on diverse data streams including sensor readings and audio data, achieving up to 97% accuracy in predicting maintenance needs, optimizing scheduling efficiency.
- Integrated an LLM based SQL-chatbot for querying database in natural language and used computer vision to detect rusting of machines.
- Designed an interactive dashboard using Tableau to monitor sensors and visualize predictions.

UrgentCare | Python, NLP, LLMs, Tensorflow, Keras, OpenCV, Matplotlib, Explainable AI

Feb 2024

- Developed a system using audio and video analysis to assess emotions and stress levels of distressed callers during emergency situations and generates appropriate responses to guide the caller.
- Implemented a stacked classifier to assess the urgency of situation, utilized Computer Vision for emotion and stress level identification
- Employed finetuned Large Language Models (LLMs) to generate tailored responses, enhancing the effectiveness of emergency call handling.

Relevant Coursework

- Data Structures
- Machine Learning
- Algorithms Analysis
- Database Management
- Artificial Intelligence
- Cloud Computing
- Big Data Analytics
- Business Analytics

Achievements

AI/ML Domain Winner, SPIT Hackathon | CSI, SPIT

Feb 2024

- Participated in a team of 4 to build an AI-Powered System for Intelligent Healthcare Emergency Response.

CV Domain Winner, D2K 2.0 | DJ INIT.AI, DJSCE

Feb 2024

- Contributed in a team of 3 to build a software to assess shelf placement of pharmaceuticals.

Runner-Up, Datathon (KJSCE) | Datazen, KJSCE

Feb 2024

- Collaborated with a team of 4 to build an application for safe travelling of women

Extracurricular Activities

Oculus, SPIT | Head of Operations and Events

Jan - Mar 2023

- Worked for bringing in sponsorship deals for the event and handled on ground operations. Dedicated 10+ hours towards the same

Certificates

Foundaions: Data, Data Everywhere | Google, Coursera

Jan 2024

- A course about fundamental concepts involved in data analytics including data, data analysis, and data ecosystems.

Machine Learning Specialization | Andrew NG, Coursera

Sept 2023

- A course explaining the concepts of machine learning, its functions, applications and the math behind it.