

SMIT MISTRY

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Education

Sal Engineering and Technical Institute

Sep. 2021 – Jul 2025

Bachelor of Engineering in Computer

Ahmedabad, India

CGPA is **8.57**

Narayana Junior College

Jul. 2019 – Aug 2021

Higher Secondary School (HSC)

Mumbai, India

Secured **88.83%** in 12th Boards.

Pawar Public School Kandivali, Mumbai

2010 – 2019

Indian Certificate of Secondary Education (ICSE)

Mumbai, India

Secured **78.33%** in 10th Boards.

Technical Skills

- **Languages:** Python, SQL, Java, C, C++, HTML, CSS
- **Libraries:** Scikit-learn, LightGBM, TensorFlow, Keras, Pandas, NumPy, Matplotlib, NLTK, Seaborn, XGBoost
- **Frameworks:** Flask, Tensorflow, FastAPI, BentoML
- **Software / Tools:** MySQL, MongoDB, GitHub, Microsoft Office, Microsoft Excel, Jupyter, Google Colab
- **Technologies / Concepts:** Agile Methodology, Software Development Life Cycle, Machine Learning, Deep Learning, Recurrent Neural Networks, Convolutional Neural Networks, Natural Language Processing

Projects

SpeechStream | *Transformers, Flask, MongoDB, HTML/CSS/JS* | [GitHub](#)

May 2024 – June 2024

- Developed a **Flask web application** using fine-tuned **Wav2Vec2** and **SpeechT5** models for speech-to-text and text-to-speech functionalities.
- Integrated **SpeechT5** for text-to-speech synthesis, producing high-quality **audio outputs**.
- Utilized **Hugging Face models** to enhance speech processing capabilities.
- Implemented **Flask** for the backend and **MongoDB** for login and signup features, ensuring secure user authentication.
- Designed a user-friendly **frontend** with **HTML/CSS** for seamless text input and audio playback.

GTU Result Analyzer Web App | *Python, Flask, HTML/CSS* | [GitHub](#)

March 2024 – March 2024

- Employed **Python Pandas** and **NumPy** libraries for efficient **data manipulation** and **analysis**.
- Implemented **Flask** backend to handle **server-side operations** and **routing**.
- Crafted a **responsive frontend** using **HTML/CSS** to ensure an **intuitive** user interface.

Rajkot Municipal Corporation (RMC) Chatbot | *Dialogflow, FastAPI, MySQL* | [GitHub](#)

May 2022 – July 2022

- Integrated **Dialogflow's NLP** and **Intent Classification** for efficient user interactions.
- Utilized **FastAPI Python backend** for seamless functionality.
- Designed intuitive **frontend** using **HTML/CSS** for optimal user experience.

Smart Shopping Cart Image Classification | *Python, VGG16, CNN, SVM, Flask, HTML/CSS* | May 2022 - July 2022

- Developed a **Smart Shopping Cart** incorporating **transfer learning** on the **VGG16 model**.
- Performed **fine-tuning** on the **top layer** using **CNN** and **SVM** for enhanced performance.
- Utilized **Flask** for the **backend** server implementation.
- Designed **frontend** with **HTML/CSS** for seamless user interaction.

COURSE CERTIFICATIONS

Machine Learning Specialization

Oct 2023

Offered by Stanford Online & DeepLearning.ai on Coursera

1. Supervised Machine Learning: Regression and Classification
2. Advanced Learning Algorithms
3. Unsupervised Learning, Recommenders, Reinforcement Learning