



## Education

### MPSTME, NMIMS University

2022 - 2026

B. Tech in Artificial Intelligence and Machine Learning

CGPA: 2.75 / 4

### Sheth.V.K.Shah.High School

2020 - 2022

HSC: 81.17

### Sheth.V.K.Shah Vidya Mandir

2020

SSC: 92.40

## Projects

### Legal Education & Constitution Chatbot

present -2025

**Stack:** Python, Streamlit, LangChain, Hugging Face, FAISS, Google Translate API, SpeechRecognition. Developed an AI-powered legal chatbot for students that provides simplified explanations of Indian laws and constitutional articles. Integrated multilingual support (Hindi, Marathi, English) with live translation, speech-to-text. Implemented article and IPC section retrieval using semantic search and FAISS vectorization. Designed for scenario-based reasoning (e.g., road accidents) to connect real-life examples with relevant laws, aiding accessibility and practical understanding.

### AI-Based Car Damage Detection and 3D Estimation for Automated Insurance Claims

present-2025

**Stack:** Python, OpenCV, TensorFlow, MediaPipe, Open3D, NumPy, Matplotlib, pillow, YOLOv8-segformer, MIDAS-DPT hybrid, Tkinter.

Developed an AI system that detects car damage from a single image using YOLOv8, generates a 3D reconstruction of the damaged area, and estimates repair cost based on severity. Built a lightweight **Pillow-based custom interface** to display detection results, damage highlights, and 3D output snapshots. Integrated Google Maps API for accident location metadata and implemented a FastAPI backend for processing and automated claim-report generation.

### NeuroLearn – AI-Powered Adaptive Learning Mobile Application

(Ongoing) -2025

**Stack:** Python, TensorFlow, MediaPipe, OpenCV, Tkinter, Matplotlib, FASTAPI, Firebase, React/Flutter.

Developing an AI-driven mobile learning app that monitors real-time facial expressions and voice cues to measure learner engagement. Integrated MediaPipe + TensorFlow models to detect emotions like confusion, interest, and boredom using the front camera. The app dynamically adjusts learning difficulty, explanation depth, and teaching pace based on engagement. Added voice interaction, personalized topic recommendations, and a cloud backend (FastAPI + Firebase) for tracking user progress and analytics.

## Internships

### Data Science Intern | Zidio Development |

June 2025 – Present

- Developed a **time series stock market forecasting system** using ARIMA, SARIMA, Prophet, and LSTM models to analyze historical stock data.
- Conducted preprocessing, model training, and performance evaluation to uncover trends and improve prediction accuracy.
- Created **interactive Tableau dashboards** to visualize predicted vs. actual trends, and used **Matplotlib** to plot seasonality, residuals, and confidence intervals for model insights.

## Certifications

- Course Tensorflow| Udemy

present – 2025

- Ai-Associate Salesforce

Nov-2024

- Built Ai calling Agent

Udemy July-2025

## Core Skills

- **Languages:** Python, SQL

- **Frameworks & Libraries:** Pandas, NumPy, Scikit-learn, TensorFlow, PyTorch, Matplotlib , LangChain

- **AI & ML:** Deep Learning, Advanced Machine Learning, Generative AI, Transformers, GANs.

- **Databases & Tools:** MySQL, Git, Power BI,, Colab, Vs-code,jupyter.

- **Soft Skills:** Team-Leading, Communication, Team Collaboration, Adaptability, Quick learning.

## Achievements and Position of Responsibilities

- Core- Team Member – Atrangi Art Club

Participant of Hack2hack fest AI Hackathon