

EDUCATION

Degree/Certificate	Institute/School	GPA/Percentage	Year
B.Tech. CSE	Institute of Engineering and Technology, Mohanlal Sukhadiya University	8.21/10	2023-2027
HSC (CBSE)	St. Teresa's Sr. Sec. School	78.8%	2023
SSLC (CBSE)	St. Teresa's Sr. Sec. School	87.2%	2021

TECHNICAL EXPERIENCES

- Marvik Academy for Technical Education, Udaipur** Nov 2024- Dec 2024
Flutter Developer /Outcome Project: Notes Application Using Flutter- Dart, Android Studio
 - The goal is to create a fast-cross-platform Notes App that offers an intuitive interface for capturing and organizing notes in software (as a part of the curriculum).
 - Implemented customization features and ensured data persistence, the app meets the needs of students and professionals, enhancing productivity and information management.

PROJECTS

- Cognitive Stress Analysis** 2025
Self Project /Tools used: IntelliJ, Python for the modules – csv, time, random, SQL Connector Module
 - This project provides a framework for analyzing speech patterns to detect potential cognitive stress.
 - The system evaluates audio input to generate quantitative metrics and comparative assessments of cognitive load.
- Intelligent Brawl Monitor – CCTV integration software** 2024
Self Project /Tools used: TensorFlow, Python, Pandas, OpenCV, NumPy, Email Automation
 - The project detects aggression from any human being and gives an alert as an SOS to the email IDs provided.
 - It highlights the functionalities for applications in security, workplace safety, and smart home system.
- MediHelper – AI based Website** 2024
Self Project/Tools used: TensorFlow, Python, Pandas, NumPy, Django, HTML, Javascript, SQLite, ML Algorithms
 - By leveraging AI technologies, MediHelper is poised to become a valuable resource for individuals seeking assistance with skin-related health issues and managing healthcare costs.
 - It aims to provide accurate predictions and valuable insights, ultimately enhancing user experience and promoting better health management. Managed data storage and retrieval processes, ensuring a quick access to data.
- Regression Health Costs Calculator – ML Model** 2024
Self Project/Tools used: TensorFlow, Python, ML Algorithms
 - The project employs regression algorithms to predict healthcare costs based on demographic and health-related features. (Future scope: people can get the estimations and care for their insurance.)
 - Training model on 80% of the data, aiming for a Mean Absolute Error (MAE) under \$3500 to assess accuracy.
- Cat and Dog Image Classifier – ML Model** 2024
Self Project /Tools used: TensorFlow (Models, layers, Image preprocessing), Python
 - The project utilizes Convolutional Neural Networks (CNNs) with TensorFlow and Keras to classify images of either cats or dogs, achieving a target accuracy of at least 63%.
 - It enhances the dataset with techniques like flipping and zooming to improve model robustness.
- The smart Railway booking and Data Management - Software** 2023
Self Project /Tools used: TensorFlow, Python, Pandas, OpenCV, NumPy, Email Automation
 - Developed a solution for a railway booking system that facilitates ticket bookings across 28 states in India, applied to use SQL, Python & a reliable storage server.
 - Integrated CSV file formatting for easy data import and reporting at the locations, Managed data storage and retrieval processes, ensuring a quick access to data.

TECHNICAL & MISCELLANEOUS SKILLS

- **Programming/Scripting:** C/C++ , Java Basics, Python, SQL & DBMS, Linux, Go
- **Software/Application & Tools:** VSCode, turbo C & gcc Compiler, Django, OnlineGDB, IntelliJ, PyCharm, Git, MS Office Tools (Word, Presentation, Excel), OpenCV, OpenPose, Annaconda, TensorFlow, Keras, Scikit-Learn, Pandas
- **Core Concept:** Image detection, Face Recognition, Object Tracking, Pose estimation, CNN, NLP with RNN, LSTM, Computer Architecture, OOP, DSA
- **Languages Known:** Fluent in English; Native in Hindi; Beginner Proficiency in Korean

CERTIFICATIONS & TRAININGS

- **UDEMY**➔ Advanced Database and SQL Querying, 2024, Linux Tutorial with Caddy and Timex, VSD-Circuit Design & SPICE Simulations-Part 1, 2024
- **KAGGLE**➔ Intermediate Machine Learning, 2024, Machine Learning Explainability, 2024
- **EDX**➔ Introduction to Microprocessors, Machine Learning with Python, 2024
- **GUVI**➔ SAWiT.AI Learnathon Program-fundamentals of GenAI by HCLTech Women Techmakers, 2024
- **CAMPUSX**➔ E-KYC using Computer Vision, 2024
- **OPENCV**➔ OpenCV Bootcamp, 2024
- **DATAFLAIR**➔ Introduction to C Programming
- **ORACLE**➔ Oracle Database Foundations Certified Junior Associate
- **STANFORD UNIVERSITY**➔ Introduction to Internet of Things, 2023

EXTRA-CURRICULAR ACTIVITIES

- Actively participating in contests, webinars, and hackathons like Google AI for Impact and Kaggle, 2024.
 - Actively working on 1+ research papers and patents for human pose estimation and interdisciplinary domains, 2024
 - Volunteering at Aarohan Youth Fest Udaipur with 500+ participants as an event organizer, 2024.
 - Received scholarship for Bertelsmann Udacity on advanced Generative AI courses and certifications, 2024.
 - Accomplished in Gen AI intensive challenge courses by Kaggle with Google, 2024.
 - Serving as an NSS candidate for women empowerment and purpose in civic mindsets, 2024.
 - Secured among the top 1000 students who completed the certification race by Oracle University, 2023.
 - Participated in contests like Google Hackathon for coding and SIET space quizzes, 2021.
 - Experienced as a swimming coach and trained 100+ swimmers, 2021.
 - Previously contributed to Hindu societies, educating and making them aware of the social evils by working under Bhartiya Sanatan Ekta Manch, 2020-2022.
 - Volunteered with the Mukul Madhav Foundation and participated in food donation drives during the COVID19 pandemic, 2020
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