

EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech Computer Science and Engineering	National Institute of Technology, Surat	8.21 (Current)	2021-Present
Higher Secondary	CBSE Board	88%	2020
Secondary	CBSE Board	89.20%	2018

EXPERIENCE

- **GE Healthcare**

May-Present 2024

EID Intern

–Developed a GUI-enabled framework for radiomics analysis in medical image studies of **100,000+** patients. Leveraged **PyRadiomics** to extract an extensive set of **700+** features from images and masks.

–Created a React-based web interface for data entry, visualization (**histograms**), and manipulation of medical imaging data. Applied feature selection techniques to identify key features related to **lesion** grades and other targets. Displayed feature correlations using a **heatmap**.

–Trained and deployed machine learning models (KNN, Random Forest, SVM, Neural MLP) to predict targets in new patient data and calculated **SHAP** values to explain model predictions.

–Utilized React libraries for manipulating MRI images, including distance measurement, area measurement, and mask annotation.

PROJECTS

- **MMNCT Website**

Website

Sep-Oct 2023

MERN stack

*Spearheaded the development of the real-time cricket scoring website, 'MMNCT,' using **Next.js** for the frontend and **Node.js** with **Express** for the backend. Integrated **Firebase** for database management, facilitating real-time updates of match scores and player statistics, housing data for **300+** players with individual player profile pages.

*Crafted an intuitive user interface, facilitating seamless navigation and interaction for a user base exceeding **5000** individuals, accommodating peak concurrency of **over 1000** concurrent users during live match broadcasts.
- **Crypto currency**

Website

Jan 2024

React Web App

*Developed a web application for real-time cryptocurrency data analysis which contain **1000+** currencies and visualization.Implemented interactive graphs and charts using **chart.js** to display market trends and price fluctuations.Integrated multiple cryptocurrency **APIs** to fetch and process live data.

*Designed a responsive and intuitive user interface with **React** and **SCSS**, **Chakra UI**.Utilized **Node.js** and **Express.js** to build a scalable backend for handling user requests.

TECHNICAL SKILLS

- Computer Languages:** SQL, Javascript, Python *, C/C++, HTML5, CSS,Tailwind Css,

–**Course Taken:** Data Structures, DBMS , OOPS ,Computer Networks , Operating System , Artificial Intelligence, Machine learning , Profesional Ethics , Computer Graphics

–**Software Packages:** ReactJS, Git, MongoDB, NodeJS, ExpressJS ,Postman ,Figma, Chakra UI, Stripe ,Vercel, firebase ,Materai Ui, redux, Firebase, PostgreSQL,Linux,Bootstrap,Vercel , plotly , shapely, Pyradiomics ,pickle, SimpleITK ,Flask.

* Elementary proficiency

POSITIONS OF RESPONSIBILITY

- **Web Developer Head**,at Alumni and Training-Placement Affairs Council, NIT Surat

Aug 2023 - Present
- **Web Developer Head**,at Research and Innovation Affairs Cell, NIT Surat

Aug 2023 - Present
- **Web Developer**,at Google developer student club , NIT Surat

June 2022 - Aug 2023
- **Executive**,ACM Club, NIT Surat

June 2022 - April 2023

ACHIEVEMENTS

- **3-star** ,@CodeChef (Max. **1614**)

– **Pupil** ,@Codeforces (Max.**1200**)

– **Completed Google Cloud Campaign** , participated in google cloud compaign in 2022 @certificate,

July 2023
- **Global Rank 177 in Starters 66 and Global Rank 53 in November Long Challenge**, on codechef.

Nov 2022
- **Out of 1300+ our team secured a spot in** , "Hack the Tank" 2.0, **ranking among the top 10 teams**
- **Google Winter of Code** , engage in Google Winter of Code and become runner up of the event in 2021 ,