



# KARAN PATEL

MSc, Information Technology

## EDUCATION

Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT)

CPI: 7.8

📅 August 2021 – Present 📍 Gandhinagar, Gujarat

The Maharaja Sayajirao University of Baroda (BSc Physics)

CPI: 6.5

📅 May 2014 – May 2017 📍 Vadodara, Gujarat

Class 12th School (GHSEB)

Percentage: 82%

📅 2012 – 2014 📍 Vadodara, Gujarat

Class 10th School (GSEB)

Percentage: 86%

📅 2011 – 2012 📍 Vadodara, Gujarat

## SKILLS

Area(s) of Interest : DSA, AI/ML, CS fundamentals.

Programming Languages : C, C++, Java, Javascript, Python.

Tools and Technologies : MERN stack, Matlab, PostgreSQL, Git, Docker.

Technical Electives : Cloud Computing, Project Management.

## EXPERIENCE

Adrixus

📅 April 2020 – March 2021

MERN stack developer.

• **Guide:** Sohil Shah

## PROJECTS

Open Source Learning Management System:

📅 Aug 2021 – Dec 2021

Made an online learning management system in PostgreSQL.

• **Guide:** Prof. PM Jatt

In memory Database:

📅 Dec 2021 – Dec 2021

Made an in-memory database in C++ using pure data structures such as linked lists, structs, and algorithms such as merge sort. Implemented the sorting functionality on the database.

• **Guide:** Prof. Lavneet Singh

Keepify:

📅 Feb 2022 – April 2022

Made a web application for keeping notes and todo for a given user in MERN stack.

• **Guide:** Prof. Satyendrasingh Chouhan

Stock Predict:

📅 Feb 2022 – April 2022

Made a stock prediction algorithm in python using LSTM, in which predicted the stock prices of DJIA 30 companies. Made an user interface for the same in the MERN stack.

• **Guide:** Prof. Saurab Tiwari

Mini OS projects:

📅 Feb 2022 – April 2022

Made a group chat system using various system calls such as exec, fork, pipe, and many more.

## POSITIONS OF RESPONSIBILITY

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### Event Coordinator at MSUspaceX

**Coordinated a Space exhibition where more than 5000 people visited.**

📅 August 2016 – Nov 2016

## INTERESTS

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- Swimming
- Football
- Reading

## SUMMER INTERNSHIP

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### AI Robotics

📅 April 2022 - July 2022

Implemented simulations based on a sig-verse architecture and analysed data for the system. Languages that are used are c++, python, c#. Platforms that are used are Unity, ROS, Linux.

- **Guide:** Prof. Tapas Kumar Maiti