



Dhirubhai Ambani  
Institute of Information and Communication Technology

# UTSAV PANSURIYA

B.Tech, Information and Communication Technology

## EDUCATION

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

CPI: 7.75

📅 July 2022 – Present 📍 Gandhinagar, Gujarat

Class 12th School (GHSEB)

Percentage: 88.61%

📅 2020 – 2022 📍 Surat, Gujarat

Class 10th School (GSEB)

Percentage: 94.83%

📅 2019 – 2020 📍 Surat, Gujarat

## SKILLS

Area(s) of Interest : DSA, Problem Solving, Competitive programming

Programming Languages : C, C++, SQL(Basic)

Tools and Technologies : Vscode, Matlab, pgAdmin

Technical Electives : Data Structures and Algorithms, Design and Analysis of Algorithm, Introduction to Programming, Object Oriented Programming, Database Management System

## POSITIONS OF RESPONSIBILITY

Event Coordinator:

Coordinated an event in Annual Technical Fest i'Fest

📅 November 2023

## INTERESTS

- Chess
- Cricket
- Competitive Programming

## CONTACT

Email: 202201468@daiict.ac.in

## PROJECTS

Polar Code:

📅 March 2024 - April 2024

- Implemented a Polar Successive cancellation list (SCL) decoding to successfully decode messages transmitted through a binary erasure channel using the belief propagation algorithm with complexity of  $O(N \log N)$ .
- Used Matlab to develop the decoder, incorporating **implementation of Binary Tree data structure** and concepts of **recursion**.
- **Guide:** Prof. Yash Vasavada

Database Of Online Aadhar:

📅 March 2024 - April 2024

Team Size : 5

- Designed an efficient database of Online **Aadhar card system** in **PostgreSQL** inspired from **uidai government website**.
- The concepts used were **EER Diagram, Relational Schema, BCNF** to make this project and it was implemented on **pgAdmin**.
- Generated large amount of relevant data using **C++ Program**.
- **Guide:** Prof. PM Jat

## ACHIEVEMENTS

- **Leetcode:** Max Rating 1581 (Handle: [UtsavPansuriya777](#))
- **Codeforces:** Max Rating 1317 (Pupil) (Handle: [Utsav\\_Pansuriya](#))
- **Codechef:** 3 star, Max Rating 1616 (Handle: [utsav\\_pansuriy](#))
- Global Rank **354** in Codechef Starters 123 Div. 3
- Solved 1400+ DSA and CP problems across various platforms.
- **Acpc:** Secured 59 Rank (99.85 PR)