KAUSHAL PATEL

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EDUCATION

Dhirubhai Ambani Institute of Information and Communication Technology	**CPI : 7.8 / 10**
B.Tech in Information and Communication Technology with minors in Computational Science	*November 2020 – Present*
Shree Narayana Guru Vidyalaya, Ahmedabad	**81%**
Gujarat State Education Board, HSC	*2018 – 2020*
Shree Narayana Guru Vidyalaya, Ahmedabad	**90%**
Gujarat State Education Board, SSC	*2017 – 2018*

TECHNICAL SKILLS

Languages: C/C++, Javascript, HTML / CSS, Python

Tools & Technologies: React, Node.js, MongoDB, SQL(Postgres) & NoSQL, Git & Github

Coursework: Data Structure & Algorithm (DSA), Object Oriented Programming (OOPS), Database and Management System (DBMS), High-Performance Computing (HPC), Software Engineering

EXPERIENCE

Summer Research Intern	**May 2023 – July 2023**
Dhriubhai Ambani Institute of Information and Communication Technology (DA-IICT)	*Gandhinagar, GJ*

- Created a framework that integrates the power of **Deep Learning (DL)** with traditional computational techniques to effectively tackle the challenge of significantly **reducing runtime** in 2D Plasma Simulation.
- **Techstack**: Python, C, Tensorflow, NumPy, ctypes

PROJECTS

DA-SH | *React, NodeJS, MongoDB, ExpressJS (Github)*   **January – April 2023**

- Developed a **MERN** Stack-based **learning platform** for University students and Professors where anybody can teach and learn from each other. Implemented all the **CRUD** operations.
- Used **Elasticsearch** for fast and scalable search among posts
- All the essential features like authorization, authentication and interactive UI were taken into account

Purveying F.E.E. | *React, NodeJS, MongoDB, ExpressJS (Github)*   **September 2022**

- Helping with Food, Education & Employment to the people in need through this application.
- Built a **MERN** Stack-based Web application in which we made a platform where needful people can find an N.G.O. near them.

Zoo-B-DB | *React, NodeJS, PostgreSQL, ExpressJS (Github)*   **November 2022**

- Designed SQL database management system for all the Zoos/National Parks. Drafted SRS, Developed Normalized Schema and implemented the **DBMS on PostgreSQL**

ACHIEVEMENTS

- **1st** place in Winter of Code 3.0 (organized by MSTC, DA-IICT)
- **2nd** place in the National-Level hackathon - **Hackout'22** (Team Size: 4)
- JEE Main: Secured **99.38** percentile

POSITION OF RESPONSIBILITIES

Convener	**August 2022 - August 2023**
Cubing Club, DA-IICT	
Core Member	**July 2022 - August 2023**
Microsoft Student Technical Club, DA-IICT	
Mentor	**January 2023**
Winter of Code 5.0 by MSTC	
Organizer	**March 2023**
Synocubix 2023	