Kapadi Tirth Hirabhai

Bachlor of Technology
in Production and Industrial Engineering
Indian Institute of Technology, Delhi

+91-95584-59427
me2221339@iitd.ac.in
GitHub
LinkedIn

SUMMARY

Student with practical experience in developing applications using the **MERN stack** (MongoDB, Express.js, React, Node.js). Demonstrates strong **problem-solving skills** through project work involving **complex data structures and algorithms**. I am keen to apply my technical skills and passion for software development in a challenging environment.

EDUCATION

Degree	Institute	CGPA/Percentage	Year
B.Tech	Indian Institute of Technology , Delhi	7.75	2022-2026
Higher Secondary	Ascent School of Science, Palanpur	84.92%	2022
Secondary	Seth Shree A.V. Panchal Vidhyalaya, Palanpur	85.33%	2020

PROJECTS/EXPERIENCE

- **Industrial Furnace Design Calculator Web Tool** :- *Apr 2024 - May 2024*
  Professor Krishnakant Agarawal **Department of Mechanical Engineering, IIT Delhi**
  - An **advanced web tool** to optimize furnace designs for industrial applications from an existing Excel-based calculator
  - Created an interactive application using **React**, integrating existing data and formulas for **real-time calculations**
  - The tool now efficiently handles complex computational tasks, improving design accuracy and user experience for various industrial applications

- **MERN Stack Web Development** :- *Feb 2024 - Mar-2024*
  Tech Team **Kaizen, National Service Scheme (NSS), IIT Delhi**
  - Contributed to full stack development for Kaizen's main and CAP websites, enhancing UX and incorporating Google authentication, event and task management systems
  - Designed APIs for seamless front-end to back-end communication, ensuring efficient data exchange and robust site functionality

- **NodeJS Backend Development for NGU portal** :- *Mar 2024 - Apr 2024*
  Tech team **National Service Scheme (NSS), IIT Delhi**
  - Optimized API routes for efficient data management and developed React-based front-end interfaces, improving user interaction and accessibility
  - Implemented robust authentication and authorization protocols to ensure data security and user privacy

- **Android Voting System App** :- *Mar 2023 - Apr 2023*
  Course Project **Corizo EdTech Pvt. Ltd.**
  - Developed Android online voting system android app, using Firebase for enhanced security and authentication.
  - Collaborated effectively to streamline database and authentication processes.

TECHNICAL SKILLS

- **Programming & Scripting Languages**: Python, Java, C++, MySQL, SQL, Javascript, Typescript, HTML, CSS
- **Tools and Frameworks**: MERN Stack, NextJS, Django, Tailwindcss, Bootstrap, Git, Visual Studio, Docker & Figma

KEY COURSES TAKEN

- **Courses Completed**: Data Structures and Algorithms, Introduction to Computer Science, Linear Algebra and Differential Equations, Calculus, Introduction to Statistics, Android Development in Java

POSITIONS OF RESPONSIBILITY

- **Frontend Developer**, Rendezvous-X 2023, Board for Recreational and Cultural Activities, IIT Delhi *Aug 2023 - Oct 2023*
- **Full Stack Developer**, Kaizen (Social Fest), National Service Scheme, IIT Delhi *Feb 2024 - Mar 2024*

SCHOLASTIC ACHIEVEMENTS

- Placed in the top **1%** among **more than 1 Lakh** students who appeared in the **Gujarat Common Entrance Test** *Mar 2022*
- Awarded by **Scholarship for Higher Education** by **GHSEB** for ranking in top **1%** in Higher Secondary Exam *Mar 2022*
- Cleared **JEE Advanced** with **All India Rank 5182** and **JEE Main** with **99.4 percentile** among 1 million students *Apr 2022*
- **International Maths Olympiad**, International Rank 219 Zonal Rank 23, Science Olympiad Foundation *Jan 2020*