

# Daksh Jitendrakumar Patel

✉ daksh.patel.nitw@gmail.com

☎ +91-9510836469

🌐 daksh-patel-nitw

🔗 Daksh-Patel

🔄 daksh-patel-nitw

## Education

**National Institute of Technology, Warangal**

Expected May 2025

*Master of Technology in Computer Science Engineering*

**Birla Vishvakarma Mahavidyalaya, Vallabh Vidyanagar**

June 2023

*Bachelor of Technology in Computer Engineering*

## Technical Skills

**Programming Languages:** C, C++, Python

**Web Development:** HTML, CSS, JavaScript, Node.js, React.js, Express.js

**Databases:** SQL, MongoDB

**Tools and Technologies:** GitHub, DevOps (Beginner), Docker, Cloud Services

**Coursework:** DSA, Operating System, Machine learning, DBMS, Computer Networks

## Experience

**BISAG-N**

Jan 2023 – April 2023

(MERN Stack Intern) 🔗

Gandhinagar

- Designed a Healthcare Management System for a Multi Specialist Hospital.
- Increased administrative efficiency and reduced member registration and **data access times** by up to **50%**.
- Enhanced patient satisfaction with **faster service delivery** and transparent billing.
- Reduced patient wait times by up to 40% through **optimized appointment booking** and queue management systems.
- Increased **prescription accuracy** by ensuring 100% traceability between doctors' prescriptions, pharmacies, and labs.
- Decreased **inventory wastage** by 30% with real-time monitoring of medicines, beds, and medical supplies.

## Projects

**WeatherGuard : Encrypted Access and Weather Data Fetching Tool** 🔗

July 2024

Python, MySql

- Fetched weather data, enabled password reset, and added **log management** features.
- Implemented a **secure login/signup** system with SHA-256 encryption for storing passwords and security phrases.
- **Restricted API usage** to 20 calls per 24 hours, preventing abuse and optimizing server resources.

**SmartFarming: IoT-Enabled Intelligent Irrigation and Aquaculture System** 🔗

April 2024

Contiki-ng, Hyperledger, Python(Flask), Nodejs, Javascript, React

- **Automated** irrigation and aquaculture control based on sensor thresholds, optimizing resource use and reducing waste.
- Developed an **edge server** to aggregate and process data from IoT sensors in real-time.
- Created a user dashboard for **real-time sensor monitoring**, actuator control, and blockchain-based data history.

**YouTube Downloader : One-Click YouTube Playlist and Video Downloader** 🔗

July 2022

Python, Tkinter

- Improved YouTube playlist download management, allowing users to efficiently retrieve only desired videos, saving time and bandwidth.
- Implemented Classes and used lambda function to store the result of the strings value in checkboxes while having a loop

## Achievements

- Gate 2023 AIR 543 out of 75680, 62 marks out of 100; and 682 Gate Score out of 1000.
- National Science Olympiad (Silver Medal) - International Rank: 1052, Zonal Rank:72 🔗
- International Maths Olympiad (Gold Medal) - International Rank: 402, Zonal Rank:37 🔗
- Completed **Google Cloud** 30 days challenge.