

# Margesh Modi

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## EDUCATION

**Pandit Deendayal Energy University**

Gandhinagar, India

*Bachelor of Technology in Computer Science and Engineering GPA: 9.54*

*OCT 2021- Present*

## PROFILE LINKS

- GitHub
- Codechef: Max Rating (1578)

## WORK EXPERIENCE

**OOPAR Growth Ventures Pvt Ltd | Angular, NodeJS, JavaScript, TypeScript** April 2024 – June 2024

*Software Developer Intern* 🌟

- **Optimized critical features** such as personal chat, events page, and notifications by analyzing and refactoring code, reducing load times by **80%** and ensuring seamless performance under high user load. Incorporated efficient data retrieval methods and caching strategies to handle real-time data updates.
- **Implemented Google APIs** for autocomplete functionality, enhancing data input accuracy and improving user experience.
- Integrated **OneSignal** to automate personalized notifications, enabling timely and **effective communication** with users.

## TECHNICAL SKILLS

**Languages:** C/C++, Python, JavaScript

**Databases:** MongoDB, MySQL, PostgreSQL

**Networking:** Fundamentals of tcp/ip networking, routing , switching, network problem-solving and troubleshooting.

**Web Technologies:** HTML5, CSS3, **ReactJS**, **NodeJS**, ExpressJS

**Frameworks & Libraries:** OpenCV, Numpy, Pandas, Matplotlib, Seaborn, Flask, Django, WebScraping

**Software & Tools:** Docker, MATLAB, Arduino IDE, Git, Linux

**Cloud Services:** Terraform, Amazon Web Services (AWS) - S3, EC2, Load Balancing, CloudFront, RDS, SNS, Amplify

## PROJECTS

### dermAID

*Python, Flask, HTML, CSS, JavaScript, Machine Learning, CNN, EfficientNet* 📺

August 2023

- Built an Skin Disease Detection AI Tool which is a cutting-edge solution designed to assist healthcare professionals and individuals in identifying various skin conditions accurately and efficiently
- Designed an intuitive app interface that allows users to upload images, **receive diagnoses**, and access valuable information about detected conditions, prioritizing **privacy and security**.
- Implemented a feature to generate diagnostic **report for users**, providing comprehensive insights.

### Stock Market Portfolio

*Python, **REST APIs**, Flask ,HTML5 ,CSS, Javascript, MongoDB, **OpenCV*** 🔄

May 2023

- Created an interactive stock market portfolio project enabling users to buy, sell, and gain hands-on experience.
- Implemented interactive charts and data visualization for users to monitor stock performance and make informed investment decisions, while enhancing security through **facial recognition login using OpenCV**.
- Integrated real-time market data APIs to provide up-to-date information on stock prices and trends, improving user engagement and decision-making.

### Hostel Leave Management System

*React, Javascript, **NodeJS**, Prisma, **PostgreSQL***

August 2024

- Developed a comprehensive web application for managing hostel leave requests with distinct panels for students, staff, and admins, **contributing to streamlined leave management at the college**.
- Students submit leave requests, which are reviewed and approved by wardens, generating a **QR code** displayed on their dashboard.
- The system facilitates **QR code scanning for entry and exit**, ensuring **secure** and efficient leave management.

## OTHER ROLES

**Science and Technical Committee**

*Technical Head*

Gandhinagar, India

*Sept 2022- Jul 2023*