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, Firestore April 2024 – June 2024
Software Developer Intern ✸ *Bangalore, Karnataka*

- **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.
- Developed a robust **Admin Dashboard for efficient management of all application operations**. This includes setting goals, handling messages, managing admin rights, and integrating **Aisensy** feedback, offering a centralized and streamlined control panel for administrators.
- 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

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.

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.

OTHER ROLES

Science and Technical Commitee Gandhinagar, India
Technical Head *Sept 2022- Jul 2023*