Margesh Modi

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EDUCATION

Pandit Deendayal Energy University   Gandhinagar, India
Bachelor of Technology in Computer Science and Engineering GPA: 9.54   *2021- 2025*

PROFILE LINKS

- GitHub
- Codechef: Max Rating (1578)

WORK EXPERIENCE

Fitpage | NextJS, NestJS, JavaScript, PostgreSQL   Mumbai, Maharashtra

Software Engineer   *Jun 2025 – Present*

- Designed and implemented **low-latency, high-throughput backend services** for high-traffic applications with a strong focus on scalability, reliability, and security.
- Optimized **SQL queries, indexes, and joins** across critical PostgreSQL services, significantly reducing API response times and improving system efficiency.
- Collaborated in **Agile sprints** with product managers and business stakeholders to deliver customer-facing features with measurable performance improvements.

Software Engineer Intern   *Jan 2025 – May 2025*

- Led the end-to-end revamp of **training.fitpage.in**, improving system performance and user experience, resulting in a **50% increase in active users** and a **30% revenue growth**.
- Designed and deployed **scalable, low-latency RESTful APIs** for the **Spolo app**, supporting seamless feature integration under expected production load.

Oopar Growth Ventures Pvt Ltd | Angular, NodeJS, JavaScript, Firestore   April 2024 – June 2024
Software Engineer Intern   *Bangalore, Karnataka*

- Optimized core application features (chat, events, notifications) through refactoring and performance tuning, reducing load times by **80%**.
- Developed a centralized **Admin Dashboard** and integrated **OneSignal** for scalable, automated user notifications.

TECHNICAL SKILLS

- **Programming Languages**: Java, JavaScript, Python, C/C++
- **Backend Technologies**: Node.js, Express.js, RESTful APIs, Spring Boot (Basic)
- **Frontend Technologies**: React.js, HTML5, CSS3
- **Databases**: **PostgreSQL**, MySQL, MongoDB, Cassandra
- **Frameworks & Libraries**: Flask, Django, OpenCV, NumPy, Pandas, Matplotlib, Seaborn
- **Cloud & DevOps**: AWS, GCP, Docker, Terraform

PROJECTS

Hostel Leave Management System

*React, JavaScript, **NodeJS**, Prisma, **PostgreSQL***   August 2024

- Designed and developed a **role-based, transactional web application** for managing hostel leave requests with dedicated student, staff, and admin panels.
- Implemented an **approval workflow** where wardens validate requests, triggering secure **QR code generation** for authorized leaves.
- Enabled **real-time QR-based entry and exit verification**, ensuring data integrity, auditability, and secure leave tracking.

dermAID – Skin Disease Detection AI Tool

*Python, Flask, **MongoDB**, JavaScript, Machine Learning, CNN, EfficientNet* ▶   Sept 2023

- Developed an **AI-powered diagnostic system** for skin disease detection using CNN and EfficientNet models.
- Implemented secure backend APIs for image uploads, automated diagnosis, and **diagnostic report generation**.
- Designed a privacy-focused workflow ensuring secure data handling and reliable model inference.

OTHER ROLES

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