

# Payal Makwana

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## EDUCATION

**Marwadi University (2023-2027)**

April 2023 – Present

Location: Rajkot, Gujarat, India

Coursework: B.Tech in Information and Communication Technology

CGPA: 9.04/10.00

## SKILLS

**Programming Languages:** Python, C, Java, C++ , JavaScript, R, PHP

**Frontend Web Technologies:** HTML, CSS, ReactJS, NextJS

**Backend Web Technologies:** NodeJS, Flask, RESTful APIs

**Database Technologies:** MySQL

**AI/ML and Data Science:** Graph Theory, Discrete Mathematics, Computer Vision, Data Visualization, Tableau

**Other:** Git, Object Oriented Programming (OOP), Data Structures and Algorithms

## WORK EXPERIENCE

**Summer Intern, AI Guru**

June 16 – July 16, 2025

*AI/ML Domain, Ahmedabad, Gujarat*

- Developed AI/ML-related projects and real-world applications
- Gained hands-on experience with deep learning frameworks
- Contributed to innovative projects in an offline setting

**Summer Intern, IEEE Signal Processing Society**

June 1 – July 15, 2025

*Gujarat Section's Summer Mentorship Program*

- Selected for a mentorship program focused on signal processing projects
- Worked on advanced AI/ML algorithms for real-world applications
- Collaborated with industry experts and researchers

## Projects

**Face Emotion Recognition**

- [\[github link\]](#)

- Developed a MATLAB-based system that detects and classifies facial emotions using image processing and machine learning techniques.
- Implemented face tracking and landmark detection to improve classification accuracy. Enhanced user interaction in HCI applications, with potential uses in mental health monitoring and surveillance.
- Tech Stack: MATLAB, Image Processing Toolbox, Computer Vision Toolbox

**Train Booking System (AnyWays)**

- [\[github link\]](#)

- Designed a web app that identifies alternate train routes using DFS and Dijkstra algorithms when direct trains are unavailable.
- Integrated real-time data from IRCTC API and added food delivery options through Zomato and Swiggy.
- Improved user convenience and optimized travel planning.
- Tech Stack: JavaScript, Node.js, HTML, CSS, MySQL, DFS, Dijkstra, IRCTC API

**JobVista – Job Portal Website**

- [\[github link\]](#)

- Developed a dynamic job portal enabling users to search and apply for jobs, and recruiters to post and manage job listings.

- Implemented secure user authentication (login/signup) for job seekers and recruiters using PHP and MySQL.
- Designed a responsive front-end using HTML, CSS, and JavaScript for seamless user experience across devices.
- Features include job filtering, search functionality, and user dashboard for profile and application management.
- Tech Stack: HTML, CSS, JavaScript, PHP, MySQL

#### Weather App

- [\[github link\]](#)

- built using ReactJS that fetches real-time weather data from the OpenWeatherMap API.
- You can search for any city and get the current temperature, humidity, wind speed, and weather conditions.
- Tech Stack: ReactJS, VITE, OpenWeatherMapAPI, Tailwind

#### Professional Achievements

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- **Tech Lead** of Competitive Programming Club, **Marwadi University**, Organized coding events and mentored juniors to enhance problem-solving skills. - [\[link\]](#)
- **Chairperson IEEE Women in Engineering (WIE) Affinity Group, MEFGI 2025**. Leading a team to host impactful workshops and networking events promoting women in tech. - [\[link\]](#)
- Top 40.82% in **Leetcode** Global Rankings
- Won 2nd Runner-Up in Logic Leap Race by Web Nexus Club for building a responsive full-stack app - [\[certificate\]](#)
- Won 2nd Runner-Up in Tableau analytics Showdown for building an interactive dashboard - [\[certificate\]](#)
- Participated in Tick Tech Toe Hackathon organized by IEEE SB DAICT - [\[certificate\]](#)