

Payal Makwana

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Academic Qualification

Ambuja Vidya Niketan, Ambujanagar, Kodinar, Gujarat

April 2011 – May 2023

Senior Secondary (10th – 12th)

- Completed 10th with 94.16 percentage
- Completed 12th with 80.00 percentage

Marwadi University, Rajkot, Gujarat

April 2023 – Present

- CGPA: 9.11/10.00
- **Coursework:** B.Tech in Information and Communication Technology

Technologies

Programming Languages: C++ , C, Java, Python, JavaScript. PHP

Frontend Web Languages: HTML, CSS

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

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

Personal Finance Dashboard

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

- Built an interactive dashboard to visualize and track income, expenses, savings, and investments.
- Provided actionable insights based on spending patterns and real-time data analysis.
- Enabled smarter budgeting and financial planning for users.
- Tech Stack: Python, Pandas, Plotly, Dash, Matplotlib, Seaborn

Personal Achievements

- **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 - [\[certificate\]](#)