

# DIYA PATEL

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## Objective

Motivated Computer Science undergraduate seeking opportunities in software development, with a focus on frontend and backend technologies. Eager to apply technical skills in real-world projects and continue growing as part of a dynamic team.

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## Education

- **L.J UNIVERSITY, AHMEDABAD**

Bachelor of Engineering in Computer Science

**Graduation Date:** Nov 2024 - Nov 2026

**CGPA:** 6.0 - 6.5

**Relevant Courses:** Artificial Intelligence, Data Structures, Programming Languages

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## Technical Skills

- ★ **Programming Languages:** Python, Java, JavaScript
- ★ **Backend Development:** Node.js, Express.js
- ★ **Frontend Development:** React.js, HTML, CSS
- ★ **IoT Platforms & Tools:** Arduino, Node-RED
- ★ **Networking & Security:** Network Protocols (TCP/IP), Cybersecurity Principles
- ★ **Embedded Systems:** Sensor Integration
- ★ **Cloud & Databases:** AWS IoT, Firebase, MySQL
- ★ **Development Tools:** Git, VS Code, MATLAB, Jupyter Notebook

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## Project Experience

## 1. Robot Designing and Python Learning (Software ROS2) JUNE 2024

- Designed robotic parts of a dog capable of rotating 360° using SolidWorks.
- Gained proficiency in Python and used ROS2 software for designing.

## 2. Food Delivery App (MERN Stack) NOV2024

- Worked on frontend UI allowing users to browse menus, read reviews, and place orders.
- Designed a dynamic food delivery app using MongoDB, Express.js, React.js, and Node.js.

## 3. Student Result (SQL) NOV 2023

- Created a student and result database.
- Implemented CRUD operations to insert, update, and delete student records.
- Generated insights such as average score, ranking students, and identifying high/low scores.
- **Technologies Used:** MySQL, PostgreSQL, SQLite

## 4. Currency Converter (Python) JUNE 2023

- Developed a currency converter tool using Jupyter Notebook.
- Converted currencies to Indian Rupees based on data stored in a database.

## 5. Hospital Management (Computer Network) MAY 2025

- Designed a hospital management network.
- Developed a Convolutional Neural Network (CNN) to classify images into a predefined gallery.

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## Certifications

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|---|----------------------|
| • Introduction to AI & AI Essentials – <b>Google</b>        | <b>june2025</b>      |
| • AI & ML Certification – <b>IIT Hyderabad</b>              | <b>september2023</b> |
| • Machine Learning & AI – <b>ROBOT AI</b>                   | <b>may2024</b>       |
| • Cloud Technical Essentials – <b>AWS</b>                   | <b>february2023</b>  |
| • Data Analysis – <b>Google</b>                             | <b>march2025</b>     |
| • Deep Learning – <b>Coursera</b>                           | <b>march2023</b>     |
| • Full Stack Web Development Certification – <b>Pregrad</b> | <b>october 2024</b>  |
| • Cloud Certification – <b>Oracle</b>                       | <b>nov 2023</b>      |
| • Data Science Certification – <b>NIT Surat</b>             | <b>August2024</b>    |

- Web Development Certification – **IIM Ahmedabad & IIM Bombay**
- HTML, CSS, and JavaScript Certification – **Coursera**

**march2023**

**june2024**

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## Achievements

- ❖ **LeetCode Achiever** – Successfully solved over 200+ problems on LeetCode, improving problem-solving skills and algorithms.
  - ❖ **Research Internship at IIT Hyderabad** – Selected for the **SURE Research Internship** at **IIT Hyderabad**, focusing on optimizing distributed systems through collaborative research.
  - ❖ **Global Certification in Cloud** – Awarded the **Cloud Technical Essentials** certification by **AWS**, showcasing skills in cloud computing platforms and services.
  - ❖ **International Level Recognition** – Received **Global Certification in Data Science** from **NIT Surat**, validating expertise in data analysis and machine learning.
  - ❖ **Full-Stack Development Expert** – Earned **Full Stack Web Development Certification** from **Pregrad**, mastering key technologies like **MongoDB**, **Express.js**, **React.js**, and **Node.js**.
  - ❖ **Innovative IoT Solution Developer** – Developed a comprehensive **IoT-based system for Smart Agriculture** as part of a university project, integrating sensors for real-time data collection and analysis.
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