

JENIL PATEL

Undergraduate Student
Computer Science and Engineering
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EDUCATION

Pandit Deendayal Energy University

Bachelors in Computer Engineering (CGPA - 8.5)

Divine Life International School

HSc (81%) & SSc (83%)

Gandhinagar, INDIA
July 2022- June 2026

Ahmedabad, INDIA

SKILLS

- Languages :** C/C++, Python, Javascript, HTML5, CSS, SQL
- Framworks :** NodeJS, ExpressJS, ReactJS
- DBMS :** MySQL, MongoDB
- Tools :** VS Code, Eclipse, Colab, MongoCluster
- Core Skills:** Computer Networks, DSA, OOPS, Operating Systems
- Libraries:** Pandas, Numpy, Matplotlib, Seaborn

PROJECTS

Voice to Sign - Student Research Project

- Developed a real-time sign language recognition system using Machine Learning.
- Worked on models using TensorFlow & OpenCV, improving gesture interpretation accuracy.
- Integrated custom dataset for uniqueness, performance, and accuracy.
- Currently working on real-time implementation on devices for accessibility.
- Preparing research documentation, covering dataset collection, model architecture, and performance evaluations.
- Contributed to structured proposal drafting for securing research project funding and academic support.

Logistics Management System (LMS) Project

- Developed a logistics management system using Python and MySQL, aligned with India's NLP 2022.
- Designed an efficient database structure to manage real-time logistics data.
- Implemented REST APIs for seamless integration between the frontend and the backend.
- Focused on route optimization, resource allocation, and inventory management through algorithmic improvements.
- Ensured project clarity by preparing detailed system documentation.

Auction System

- FullStack site for player auction (HTML, CSS, JS, PHP, MySQL) along with database operations for data management.
- Implemented database CRUD operations and a dynamic bidding system for real-time updates.

EXPERIENCE & ADDITIONAL SKILLS

- Experience and Involvement:**
 - Civic Internship at Nirvana Sangh Foundation (NGO)
 - Part of Content Team at Brahmand (The Astronomy Club of PDEU)
 - Organizing G20 Skill Shala for (PDEU) student empowerment and Skill Development
- Problem-Solving** - Applying analytical thinking to overcome technical challenges
- Competitive Programming** - Leetcode: 1551, CodeChef: 1510
- Content Writing** - Crafting research documentation, technical reports, and structured proposals
- Basic UI-UX / Web Design** - Creating intuitive visual interfaces with HTML/CSS
- Known Languages** - English, Hindi, Gujarati