

# PULAK JAIN

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## Education

### Pandit Deendayal Energy University

Bachelor of Technology in Computer Engineering

Nov 2020 – May 2024

Gandhinagar, Gujarat

## Experience

### Capgemini

SWE Intern

June, 2023 - July, 2023

Gandhinagar, Gujarat

- Spearheaded the development of a cutting-edge Hospital Information Management Software (HIMS) leveraging the government-initiated ABDM architecture, while employing **Agile software development life cycle (SDLC)**, revolutionizing patient record digitization possibly impacting **65%** of doctors-patients interactions.
- Tools & technologies used: Node.js, React.js, Material UI, MongoDB, Git, Jira, Postman, Swagger, REST APIs.

### InfowareIndia

Node Intern

January, 2024 - June, 2024

Ahmedabad, Gujarat

- Contributed to end-to-end backend development for healthcare and educational systems, including a Hospital Management System and an Alumni Portal.
- Tools & technologies used: Node.js, MySQL, sequelize, Git, Stored Procedure, Postman, Swagger.

### InfowareIndia

Node.js Developer

July, 2024 - current

Ahmedabad, Gujarat

- Engineered scalable backends for **7+** projects including **chatbot, LMS, sales app, CRM, and hospital systems**.
- Developed RESTful APIs, wrote optimized SQL queries, and contributed to modular, production-ready codebases.
- **Technologies used:** Node.js, MySQL, MongoDB, Sequelize, Git, Postman, Swagger.

## Projects

### SalesApp | Node.js, MySQL, GitHub

- Architected robust backend APIs for a **client-delivered, multi-channel sales platform**, enabling end-to-end workflow automation for salesmen management, visit planning, product load/unload, distributors, orders, and inventory management.
- Implemented smart **salesman assignment algorithms** and **dynamic route sequencing logic** to optimize delivery efficiency and improve operational scalability.

### WhatsApp CRM | Node.js, MongoDB, WhatsApp Cloud API, GitHub

- Developed and deployed a client-facing WhatsApp CRM backend featuring robust **Role-Based Access Control (RBAC)**, proactive messaging workflows, and real-time WhatsApp Cloud API integrations.
- Implemented a dynamic **Flow Builder** to streamline customer journeys and automated interactions, enhancing user engagement and reducing manual overhead.

### SketchSense | HTML, CSS, JavaScript, Node

Github and Website Link

- Conducted extensive testing on **2500+** user-generated drawings, refined model performance, and implemented a custom backend using **node.js** with **k-Nearest Neighbors (KNN)** for almost **70%** image categorization accuracy.
- Engineered a distinctive dataset through advanced processing techniques, resulting in a notable **20% increase** in accuracy.

### Speech Recognition And Analysis | Python, spacy, Textblob, pyaudio, streamlit

Github and Website Link

- Engineered a dynamic Streamlit web application capable of delivering comprehensive transcripts, sentiment analysis reports, and concise summaries from input audio files.

## Technical Skills

**Languages:** C, C++, HTML, CSS, JavaScript, Python

**Frameworks / Databases:** Node.js, Express, React, MongoDB, MySQL

**Other Technologies:** Docker, Redis, RabbitMQ, Microservices

**Developer Tools:** VS Code, Eclipse, Jira, Postman, Swagger

**Soft Skills:** Problem solving, teamwork, communication, collaboration, analysis