

JILS PATEL

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Education

New LJ Institute of Engineering and Technology

B.Tech in Computer Science and Engineering (AIML)

Jan 2020 – May 2024

CGPA: 9.49/10.0

Experience

Quarks Systems

Web Developer Intern

Jan 2024 – Apr 2024

Ahmedabad, India

- Developed responsive and interactive web applications using React.js with reusable functional components and hooks.
- Optimized React components for performance and responsive UI using modern component-based design practices.

Quarks Systems

Data Analyst Intern

Jul 2023 – Aug 2023

Ahmedabad, India

- Executed ETL pipelines to clean, transform, and integrate multi-source data.
- Analyzed data using Python (Pandas, NumPy) and Excel to derive actionable insights.
- Built dashboards and visualizations using Power BI and Matplotlib.

Projects

Banking Management System | C, Linux, TCP Sockets | GitHub

2025

- Implemented a modular TCP-based client-server banking system in C on Linux.
- Supported secure account management and transaction handling via structured socket communication.
- Used file-based persistent storage with robust system-level error handling.

Restaurant Billing System | Python, Tkinter | GitHub

2024

- Built a GUI-based billing application for restaurant operations.
- Enabled itemized billing with tax calculation and categorized menus.
- Exported transaction records to CSV with timestamps.

Smart Farming Crop Predictor | Python, NumPy, Pandas, scikit-learn | GitHub

2023

- Developed an ML model to predict optimal crops using soil and seasonal data.
- Achieved 96% prediction accuracy with scikit-learn algorithms.
- Visualized insights using Matplotlib and Seaborn.

Technical Skills

Languages: C/C++, Java, Python, JavaScript

Technologies: React, Git, SQL, HTML, CSS, Power BI

Achievements

Secured 98.66 percentile with AIR 2284 in GATE CS 2025.

Qualified GATE DA 2025 paper.

Completed Google Cloud Platform program with 50+ skill badges.

Relevant Coursework

- Data Structures
- Algorithms

- Operating Systems
- Computer Networks

- System Software
- Database Management

- Machine Learning
- Web Technologies