

# Kantilal Patel

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## EDUCATION

<b>Indraprastha Institute of Information Technology, Delhi (IIITD)</b> <i>M.Tech. In CSE with specialization in Data Engineering</i>	July 2023 - July 2025 <i>GPA 8.04/10</i>
<b>LJ Institute of Engineering and Technology</b> <i>B.Tech. In Computer Engineering</i>	May 2019 - May 2023 <i>GPA 8.85/10</i>

## TECHNICAL SKILLS

**Programming Languages:** C, C++, Python, JavaScript  
**Tools and Technologies:** ETL, Power BI, Apache spark, Kafka, Databricks, ReactJS, Git, Talend studio  
**Expertise Areas:** Microsoft Azure Cloud, Web Development, Data Structure and Algorithms, ML, DBMS

## EXPERIENCE

<b>Data Engineering</b> <i>STMicronics</i>	Jan 2025 - Present <i>Greater Noida, IN</i>
<ul style="list-style-type: none"><li>Developed a <b>real-time data streaming solution</b> with <b>Confluent Kafka</b> and <b>Databricks</b>, leveraging <b>PySpark</b> and <b>SQL</b> for data processing.</li><li>Enabled faster data access, improved data quality, and enhanced scalability across <b>Medallion Architecture</b> for the company's data marketplace.</li></ul>	
<b>Full Stack Developer</b> <i>Shreeji Web Creation</i>	Jan 2023 - Apr 2023 <i>Ahmadabad, IN</i>
<ul style="list-style-type: none"><li>Utilized <b>React.js</b> to handle API requests and demonstrate strong client-side development skills.</li><li>Built APIs using <b>Node.js</b> and <b>Express.js</b>, and worked with both SQL and NoSQL databases to handle data efficiently during my full-stack web developer internship.</li></ul>	

## ACADEMIC PROJECTS

<b>Academia Portal</b>	C language, Socket Programming
<ul style="list-style-type: none"><li>Created an academic portal for course enrollment and management, allowing superuser oversight and faculty control over course offerings and seat availability.</li><li>Implemented socket programming, file locking, and system calls for real-time communication and secure data storage.</li></ul>	
<b>Job Seeker Assistant Using LLM</b>	LLM, ML, MySQL, ReactJS
<ul style="list-style-type: none"><li>Designed algorithms to analyze resumes, extract key information, and match users with relevant job openings, providing personalized job opportunities.</li><li>Developed an AI-powered job matching system utilizing <b>Large Language Models (LLMs)</b> to enhance job search efficiency.</li></ul>	
<b>Tastebud (Data Integration)</b>	ReactJS, ExpressJS, MySQL, Talend
<ul style="list-style-type: none"><li>Utilized MySQL database as a global data warehouse, storing and analyzing data.</li><li>Developed a user-friendly food recommendation website using ReactJS and MySQL, assisting users in finding McDonald's menu items based on their height and weight.</li></ul>	

## AWARDS AND ACHIEVEMENTS

Our Team Secured the **14th All-India Rank** in the 2021 **Abu Robocon** Competition.  
Successfully cleared GATE 2023 with a commendable score.  
Solved over **300+ Data Structures and Algorithms (DSA)** problems across various coding platforms.

## POSITIONS OF RESPONSIBILITY

Teaching Assistant for the Computer Networks course, Monsoon 2023, at IIITD.  
Teaching Assistant for the DBMS course, Winter 2024, at IIITD.