

Drashti Pateliya

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BRIEF SUMMARY

Passionate about Data Engineering, with hands-on experience in ETL pipeline development, data warehousing, analytics, and full-stack development. Skilled in Python, PySpark, PostgreSQL, React, Node.js, and MongoDB, with a strong interest in building scalable systems and delivering data-driven solutions.

EDUCATION

Vishwakarma Government Engineering College, Ahmedabad 2023 – Present

B.E. in Information Technology

CGPA: 8.09/10

CPI: 7.72/10

GSEB (Gujarat Secondary and Higher Secondary Education Board) 2022

Higher Secondary Education (Class XII), PCM

Percentage: 75.38%

GSEB (Gujarat Secondary and Higher Secondary Education Board), Gujarat 2021

Secondary Education (Class X)

Percentage: 90.33%

PROJECTS

E-commerce Data Engineering Pipeline | Python, PySpark, PostgreSQL, Streamlit, Plotly

- Built an end-to-end ETL pipeline transforming 100K+ e-commerce records into a PostgreSQL data warehouse.
- Designed a star-schema data model and implemented automated data quality validation checks.
- Performed revenue analytics using PySpark and exported analytical reports to Parquet format.
- Developed an interactive Streamlit dashboard for KPI monitoring, sales trends, and regional revenue analysis.

Real-Time Chat Application | Go, React, Tailwind CSS, WebSockets, MongoDB, JWT

- Built a full-stack real-time chat application using Go, React, and WebSockets for instant messaging.
- Implemented JWT authentication, bcrypt password hashing, and protected API routes for secure user access.
- Developed a WebSocket hub using Gorilla WebSocket to manage concurrent connections and real-time message delivery.
- Integrated MongoDB for message persistence and implemented features such as read receipts, reactions, file uploads, and message management.

Employee Performance Appraisal System (E-PAS) | React, Vite, Express.js, MongoDB

- Built a full-stack platform to manage employee performance reviews, showcased at the Smart India Hackathon Grand Finale.
- Created workflows to track employee goals, feedback, and evaluation progress.
- Developed backend APIs with MongoDB to securely support multi-user operations.
- Designed a responsive interface using React and PrimeReact for streamlined organizational usage.

TECHNICAL SKILLS

Languages — Python, Go, JavaScript, Java, C++, C, SQL

Data Engineering — PySpark, ETL Pipelines, Data Warehousing, Data Analytics

Frameworks — React, Next.js, Express.js, FastAPI, Streamlit

Databases — PostgreSQL, MySQL, MongoDB

Web Technologies — HTML, CSS, Tailwind CSS, REST APIs, WebSockets

Tools — Git/GitHub, Docker, VS Code, Vite

ACHIEVEMENTS & CERTIFICATIONS

- Finalist — Smart India Hackathon (SIH) 2025
- Selected for the Final Round of Odoo Hackathon 2025
- Aspire Leaders Program — Modules 1 & 2
- Git & GitHub Bootcamp Certification (Udemy)