

PRATEEK PARIJA

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Education

B.Tech — Computer Science & Engineering, KIIT University

2022–2026

CGPA: 8.40 (till 6th sem)

DAV Public School (CBSE) — Class XII: 85.4%, Class X: 92%

Experience

Product Development Trainee — Nisum Technologies

May 2025 – Jul 2025

- Developed a complete e-commerce backend using Java, JDBC and Spring MVC.
- Implemented product listing, cart management and order-processing modules.
- Integrated MySQL with JDBC; used service–repository design for clear separation of concerns.
- Applied Spring validation, dependency injection and robust exception handling.

Intern — Infosys Springboard

Nov 2024 – Dec 2024

- Built AQI dashboards using Power BI and Streamlit with real-time KPIs.
- Cleaned, transformed and analyzed city-level pollution datasets using Pandas.
- Designed insight-driven visual reports to support decision-making.

Projects

PARAPHASE — Intelligent Text Restructuring System *Python, Streamlit* • [GitHub](#)

- Engineered a QuillBot-style paraphrasing system capable of rewriting up to 500 words while preserving meaning.
- Implemented synonym substitution, clause reordering, and adjustable variation levels to generate diverse outputs.
- Developed a streamlined UI with expandable paraphrase views and a text-export option to enhance usability.

BoDH-S — AI-Powered Hinglish Simplifier (Zoho Hackathon) *Python, Flask, Groq API, Zoho SalesIQ* • [GitHub](#)

- Delivered an AI assistant that rewrites complex English into simplified English or natural Hinglish using custom NLP logic.
- Introduced Hinglish normalization and example generation modules tailored for clarity in India-centric communication.
- Integrated Groq LPU inference with Zoho SalesIQ webhooks to provide ultra-low-latency conversational responses.

LegalRAG — Retrieval System for Indian Law *LangChain, ChromaDB, Groq LLM, Streamlit* • [GitHub](#)

- Developed a retrieval-augmented legal assistant that identifies relevant law sections from uploaded PDFs with citations.
- Structured a pipeline involving chunking, embeddings and vector search to return grounded and context-aware responses.
- Designed a clean Streamlit interface featuring source previews and transparent retrieval indicators.

Chatbot Integration — IBM Watson Assistant *IBM Watson* • [GitHub](#)

- Constructed a conversational flow enabling users to place food orders and provide delivery details seamlessly.
- Configured intents, entities, and slot-filling logic to support smooth ordering and error-free data capture.

Skills

Java, Python, Object-Oriented Programming (OOP), Spring Boot, SQL, DBMS, Artificial Intelligence, Machine Learning, Software Testing, Data Visualization, Generative AI (LLMs, NLP, Retrieval Systems)

Certifications

Prompt Engineering — Vanderbilt University