

Rimjhim Jha

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Education

Vellore Institute of Technology, Bhopal

Bachelor of Technology in Computer Science and Engineering (CGPA: 8.6 / 10)

May, 2026

Bhopal, MP

Kendriya Vidyalaya, Bolarum — CBSE

12th: 78.8% (2022), 10th: 91.6% (2020)

2020 – 2022

Hyderabad, Telangana

Technical Skills

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

Technologies and Frameworks: HTML, CSS, React, Django, Flask, FastAPI, Streamlit, Git, GitHub, MySQL, Google Cloud Platform (GCP)

Concepts and Area of Expertise: Machine Learning (ML), Artificial Intelligence (AI), Deep Learning, Natural Language Processing (NLP), Large Language Models (LLM), Retrieval-Augmented Generation (RAG), Multi-Modal RAG, Transfer Learning, Fine-Tuning, MLOps

CS Fundamentals: Data Structures and Algorithms, Object-Oriented Programming, Operating Systems, Computer Networks, Database Management Systems, Software Development, Problem Solving.

Certifications & Training: Machine Learning Specialization by DeepLearning.AI (Coursera), Bits and Bytes of Computer Networking by Google (Coursera), Cloud Computing by IIT KGP (NPTEL), Google AI Essentials (Coursera).

Projects

AskAnything Bot – AI Q&A System | *LlamaIndex & Google Gemini*

Mar 2025 - Ongoing

- Built a smart Q&A tool that lets users upload documents (like PDFs or text files) and ask questions, with answers generated in real time using Google's Gemini 1.5 Pro model.
- Used LlamaIndex to break down and organize content inside documents, making it easy for the system to understand and respond accurately.
- Created a clean, user-friendly interface with Streamlit and hosted the project on Hugging Face Spaces to make it accessible to anyone, anywhere.

Gemstone Price Prediction with ML pipeline | *Flask, Machine Learning*

Jan 2025 - April 2025

- Built a gemstone price prediction model with a Flask-based web interface, providing a user-friendly UI for real-time predictions.
- Developed an end-to-end ML pipeline, integrating data preprocessing, model training, and evaluation, achieving an R^2 score of 0.98 using Random Forest.
- Cleaned and preprocessed a large dataset of 10,000+ records, performed feature engineering, and handled missing values, outliers, and categorical data, ensuring a high-quality dataset for model training.
- Planning to integrate MLflow for experiment tracking, Airflow for workflow automation, and Docker for containerization, ensuring reproducibility and efficient deployment of the ML pipeline.

SQLGenAI | *Google Gemini API Pro, Streamlit*

Dec 2024 - Feb 2025

- Built a GenAI-powered Text-to-SQL application using Google Gemini API Pro to convert natural language queries into SQL statements.
- Developed an interactive interface with Streamlit for seamless user input and query execution.
- Integrated SQLite3 to process and retrieve database results, tested with 10+ sample queries on different table schemas and data formats.

Extracurricular

- Solved 300+ DSA problems across platforms like LeetCode and GeeksforGeeks strengthening problem-solving skills and gaining a deeper understanding of data structures and algorithms.

Experience

Entrepreneurship Cell , VIT Bhopal

Mar 2024 – Feb 2025

Lead of Social Media Team

VIT BHOPAL UNIVERSITY

- Managed and executed targeted social media campaigns that boosted engagement by **12%**, while leading the coordination of E-Summit 2024 with **10+ events** and over **3,000** participants. Gained hands-on experience in communication, collaboration, and time management through active leadership and event execution.