Rimjhim Jha

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Objective

Looking for a data science role to apply my skills in programming, data analysis, and machine learning, and to contribute to designing, developing, and deploying data-driven solutions.

Education

Vellore Institute of Technology, Bhopal — Expected May 2026
B.Tech, Computer Science and Engineering (CGPA: 8.65 / 10) — *Bhopal, MP*

Kendriya Vidyalaya, Bolarum — CBSE — 2020 – 2022
12th: 78.8% (2022), 10th: 91.6% (2020) — *Hyderabad, Telangana*

Technical Skills

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

Technologies and Frameworks: Flask, FastAPI, Streamlit, React, Git, GitHub.

Data Science & Analytics: Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, EDA, Google Sheets, Feature Engineering.

Machine Learning & AI: Machine Learning, Deep Learning, Neural Networks, Generative AI, Statistical Modeling, A/B Testing.

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

Certifications & Training: Data Science and AI Masters (Udemy – ongoing), Machine Learning Specialization (DeepLearning.AI – Coursera), Google AI Essentials (Coursera).

Experience

Sustainivo — Apr 2025 – June 2025
ML Analyst — *Remote*

- Worked in a 4-member team to build an OCR and ETL pipeline in Python, improving text extraction accuracy from scanned documents by 20%.
- Implemented and tested an information-extraction module that reduced manual data entry time by 35% through automated extraction of structured data.

Projects

AskAnything Bot – AI Q&A System | *LlamaIndex & Google Gemini* — Mar 2025 - Ongoing

- Built an intelligent QA system that extracts answers from user-uploaded documents using LlamaIndex and Gemini 1.5 Pro.
- Used LlamaIndex for chunking and semantic indexing to improve retrieval accuracy and contextual understanding.
- Deployed the application on Hugging Face Spaces, enabling public access and early user testing.

Gemstone Price Prediction with ML pipeline | *Flask, Machine Learning* — Jan 2025 - Apr 2025

- Developed a predictive model for gemstone pricing with a Flask-based interface, achieved $R^2 = 0.98$ using Random Forest.
- Processed 10,000+ records by handling missing values, encoding categorical features, and removing outliers.
- Integrated the complete ML pipeline including ETL, from data preprocessing to real-time model inference.

SQLGenAI | *Google Gemini API Pro, Streamlit* — Dec 2024 - Feb 2025

- Designed a GenAI-powered Text-to-SQL application that interprets natural language queries using the Google Gemini API.
- Incorporated SQLite3 to enable real-time query execution across dynamic database schemas.
- Designed and executed performance tests using 10+ complex queries, improving accuracy and operational reliability across datasets.

Extracurricular

Entrepreneurship Cell , VIT Bhopal — Mar 2024 – Feb 2025
Lead of Social Media Team — *VIT BHOPAL UNIVERSITY*

- Led 4-member team, coordinating 10+ events (3,000+ participants). Boosted engagement by 12% via strategic campaigns. Gained key collaboration, time management, and execution skills.