

# Rimjhim Jha

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## Objective

Looking for a software engineering role to apply my problem-solving skills, technical knowledge, and collaborative approach in designing, developing, and delivering scalable solutions.

## Education

<b>Vellore Institute of Technology, Bhopal</b> <i>B.Tech, Computer Science and Engineering (CGPA: 8.65 / 10)</i>	<b>Expected May 2026</b> <i>Bhopal, MP</i>
<b>Kendriya Vidyalaya, Bolarum — CBSE</b> <i>12th: 78.8% (2022), 10th: 91.6% (2020)</i>	<b>2020 – 2022</b> <i>Hyderabad, Telangana</i>

## Technical Skills

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

**Technologies and Frameworks:** HTML, CSS, Flask, FastAPI, Streamlit, Git, GitHub, SQL.

**Core Areas:** Data Science, Machine Learning, Deep Learning, Generative AI, MLOps.

**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

<b>Sustainivo</b> <i>ML Analyst</i>	<b>Apr 2025 – June 2025</b> <i>Remote</i>
• Collaborated in a 4-member team to build modular OCR and information-extraction pipelines in Python, integrating them into production-ready systems that improved text accuracy by 20%.	
• Designed and automated structured data extraction with reusable components, reducing manual data entry time by 35% and enhancing overall workflow efficiency.	

## Projects

<b>GitChat</b>   <i>ReactJS, Next.js, TypeScript, PostgreSQL</i>	<b>Mar 2025 - Ongoing</b>
• Working in a 5-member team to develop a microservice-based SaaS platform aimed at transforming project collaboration and management workflows.	
• Contributing primarily to the development of the GitHub RAG pipeline, enabling semantic codebase search and smart commit summaries to improve developer efficiency and team productivity.	
• Supporting system-wide features such as AI-assisted transcription and summarization, which currently achieves 98% accuracy for meeting notes.	

<b>Gemstone Price Prediction with ML pipeline</b>   <i>Flask, Machine Learning</i>	<b>Jan 2025 - Apr 2025</b>
• 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 from data preprocessing to real-time model inference.	

<b>SQLGenAI</b>   <i>Google Gemini API Pro, Streamlit</i>	<b>Dec 2024 - Feb 2025</b>
• 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

<b>Entrepreneurship Cell , VIT Bhopal</b> <i>Lead of Social Media Team</i>	<b>Mar 2024 – Feb 2025</b> <i>VIT BHOPAL UNIVERSITY</i>
• 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.	