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

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: C++, Python, JavaScript, C.

Technologies and Frameworks: FastAPI, Flask, PostgreSQL, REST APIs, Docker.

Tools: Git, GitHub, SQL, Postman, Linux.

Concepts: Machine Learning, Deep Learning, Generative AI, RAG Systems, Model Pipelines, Time-Series Analytics, Data Structures and Algorithms, Database Management Systems.

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*

- 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

GitChat | *ReactJS, Next.js, TypeScript, PostgreSQL*   Mar 2025 - Ongoing

- Collaborating in a 5-member team to build a microservice-based SaaS platform for project collaboration and management.
- Developing the GitHub RAG pipeline to enable semantic code search and AI-generated commit summaries.
- Contributing to AI-assisted transcription and summarization features, achieving 98% accuracy for meeting notes.

Web Traffic Analytics API | *FastAPI, PostgreSQL,TimescaleDB*   Jan 2025 - Apr 2025

- Implemented a FastAPI microservice to ingest and store web traffic events as time-series data, structured to support trend and peak analysis over time.
- Modeled time-indexed storage using PostgreSQL with the TimescaleDB extension for efficient analytics queries.
- Deployed the containerized service on Railway with Docker, enabling secure internal analysis via Jupyter.

Gemstone Price Prediction with ML pipeline | *Flask, Machine Learning*   Dec 2024 - Feb 2025

- Built a machine learning pipeline for gemstone price prediction, training a Random Forest model with an R^2 score of 0.98.
- Prepared a dataset of 10,000+ records through cleaning, categorical encoding, and outlier removal.
- Deployed the model with a Flask application to support real-time price predictions.

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.