Yashveer Saini

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SUMMARY

Aspiring Data Scientist with strong foundations in **Machine Learning** and **Deep Learning (tensorflow/Keras)**. Experienced in building end-to-end models, applying transfer learning, and performing data preprocessing and analysis using Python and SQL. Skilled in developing and evaluating ML/DL models to deliver actionable insights.

EDUCATION

Teerthanker Mahaveer University — Moradabad, India
B.Tech CSE with specialization in AI, ML and DL — Expected in 08/2027

TECHNICAL SKILLS

Languages: Python, SQL
MLOps & Tools: DVC, MLflow, Dagshub, Docker, Git/ GitHub
Libraries and Frameworks: NumPy, Pandas, matplotlib, Scikit-Learn, tensorflow/keras, PyTorch
Data Science Fundamentals: EDA, Machine Learning, Deep Learning, Problem Solving
Databases: PostgreSQL

PROJECTS

Chest Cancer Classification – End-to-End DL Application GitHub

- Developed a **CNN-based chest cancer classification system** to identify **Adenocarcinoma vs Normal** medical images. with a **fully automated ML pipeline** for data ingestion, preprocessing, training, evaluation, and deployment.
- Used **DVC** for dataset and pipeline versioning to ensure **reproducibility and traceability**.
- Integrated **MLflow with Dagshub** for **experiment tracking, model versioning, and performance comparison**.

Technologies: Python, TensorFlow/Keras, CNN, DVC, MLflow, Dagshub, Docker, Flask, Git

CNN – Based Fashion item searching system

- Developed a **deep learning–powered fashion image search system** using **ResNet50 for feature extraction** and **cosine similarity** for visual similarity matching.
- Built a **FastAPI backend** that allows users to upload outfit images and receive **real-time similar clothing recommendations**.

Technologies Used: Python, TensorFlow/Keras, ResNet50, FastAPI, Cosine Similarity

CERTIFIACTIONS & COURSES

- **Introduction to Machine Learning** – NPTEL, *July 2025 – August 2025*
- **Machine Learning** – CampusX , *January 2025 – August 2025*
- **Deep Learning** – CampusX, *September 2025 – December 2025*

ACHIEVEMENTS

Winner of coding contest organizing on nation technology day — LINK
1600+ rating on Leetocde — LINK