

ABHINAV VERMA

Machine Learning Engineer

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SUMMARY

Results-driven ML & Data Science Engineer with hands-on experience in predictive modeling, machine learning and deployment using Flask and Dash. Skilled in Python, scikit-learn, and API integration. Proven ability to build end-to-end ML pipelines and derive actionable insights from data.

INTERNSHIP/TRAININGS

TOXSL TECHNOLOGIES PVT LTD.

Machine Learning Trainee

Mohali, Punjab

June, 2025 – August, 2025

Working on ML projects, model tuning, and pipeline automation using Python and Scikit-learn.

ANSH INFOTECH PVT. LTD.

Data Science Trainee

Ludhiana, Punjab

June, 2024 – July 2024

Conducted Data cleaning, analysis, and modeling. Built data pipelines and visualization dashboards.

PG TECH PVT LTD.

Python Developer Trainee

Mohali, Punjab

June, 2023 – July 2023

Built Python-based automation tools, handled API integrations, and optimized backend logic.

PROJECTS

- **Car Price Predictor** – Built a dataset-trained Car Price Predictor with Plotly-Dash that estimates vehicle values using both manual input and web-scraped data from multiple car listing websites.
- **AI Text-to-Image Generator (Group Project)** – Built with Stable Diffusion and PyTorch that converts natural language prompts into high-quality images.
- **AI Resume Analyzer** – Built using Dash and Ollama LLM that extracts insights from PDFs with custom loading states and real-time feedback.
- **Gen-AI Semantic Sketch Renderer** – A Dash-based generative AI app that converts sketches into high-quality images using Gemini semantic prompting, Stable Diffusion DreamShaper, and ControlNet edge guidance with GPU acceleration.

EDUCATION

CT UNIVERSITY

Bachelor of Technology in Computer Science with Data Science and AI Specialization

Ludhiana, Punjab

2022-2026

- Achieved CGPA 8.5 + till now

TAGORE PUBLIC SCHOOL

Ludhiana, Punjab

- 12th: 85% | 10th: 83%

2010-2022

KEY SKILLS

Language: Python

Database: MongoDB (NoSQL)

Libraries: Numpy | Pandas | Plotly | Sckit-Learn | NLP | PyTorch | HuggingFace | Transformers | LLM

Tools: Git | VSCode | Google Colab

Other: Dash | API Integration | Problem Solving | Visualization

CERTIFICATIONS

- Python | IBM
- Machine Learning | IBM
- Data Science | IBM
- Big Data | IBM
- Hackathon Participation | CT UNIVERSITY, 2023
- Hackathon Participation | CT UNIVERSITY & TechVerse, 2025