

# ANSHUL RAJ VERMA

## ML Engineer

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## EXPERIENCE

### Data Science Intern at LeapX.ai

📅 July 2024 - November 2024

- Build a chat-with-data Chatbot to query data generated from running campaigns on different platforms.
- Developed REST API for Ads Campaigns Dashboard using FastAPI, Meta Ads API and MongoDB.
- Finetune BERT Transformer model for Intent Classification of Search Keywords to choose better keywords for campaigns.
- Build an ETL pipeline to store Ad Campaigns data into MongoDB every hour with different breakdowns.
- Scheduled a Web Scraper using CRON Job to scrape website weekly basis and store data into database using Scrapy framework.

## PROJECTS

### 🔗 YouTube Comment Sentiment

Machine Learning, MLOps, Docker, VueJs

- Trained a ML model to predict the sentiment of youtube comments.
- Used MLFlow, DVC with DagsHub for ML Pipeline's experiment tracking.
- Develop REST API to serve the model and fetch data related to youtube videos using FastAPI.
- Build frontend using VueJS and deployed on GitHub pages using GitHub Actions.

### 🔗 Canvas AI

LLM, Google Gemini, LangChain

- Evaluate Mathematics or Physics expression by drawing your problem on Canvas.
- Uses Google Gemini Flash to analyse canvas drawing and extract the expression out of it.
- It provides a comprehensive solution to the extracted expression using its multimodal capabilities.

## EDUCATION

### DAV Public School

10th

📅 2021 90%

## CERTIFICATIONS

### CampusX DSMP

📅 2023 - 2025

Machine Learning | MLOps | ETL Pipeline

## SKILLS

FastAPI PyTorch Transformers  
Tensorflow Keras Python Polars  
Scikit-Learn Pydantic LangChain  
HuggingFace

## TOOLS

Git GitHub Docker VS Code  
Bash

## COURSE WORK

- LLM with Langchain
- Deep Learning
- Machine Learning
- Web Scrapping
- Modular Coding
- Finetune Transformers