UJJWAL TAK

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[LinkedIn](#) | [Github](#) | [LeetCode](#)

EDUCATION

Swami Keshwanand Institute of Technology, Management and Gramothan	2021 - 2025
Bachelors of Technology in Data Science Engg.	*CGPA: 8.4/10.0*
All India Senior Secondary School Examination	2017 - 2019
Intermediate	*Percentage: 85*

TECHNICAL SKILLS

Languages: C, C++, SQL, R, Python

Library: Numpy, Pandas, OpenCV, Sklearn, Tensorflow, Streamlit, e1741, tidyverse,fuzzy

Soft Skills: Teamwork, Communication, Self Learning, Adaptability, Leadership

Miscellaneous: DSA, LLMs Models, CI/CD Pipelines, GCP, SQL, Vector Embedding , Vector Databases, Finetuning(QloRA,LoRA), RAG, LangChain, Django/Flask, Dynamic 365/Power Apps(Inventory Management)

EXPERIENCE

AI Intern — May 2025 Present

OneDose AI — *Jaipur*

- Made a Suggestion Model For Spelling Correction using Symspell and fuzzy search. Applied finetuning PEFT(QloRA,LoRA) techniques to compare the accuracies on various GPT-3.5,4 ,Mistral,llama, claude LLMs Models.
- Created Apis for this model and deployed it on GCP using flask.
- Made a RAG Pipeline for medicine Mapping throguh salt names and brand names and deployed it on GCP.
- Created custom vector embeddings from open-source models and stored them in FAISS ,trained them on my own data to improve a suggestion engine.
- Also Created an AI agent MedTalk with the help of CrewAI.

Python Developer Intern — Feb 2025 - April. 2025

i4 consulting | [*Certificate*](#) — *Jaipur*

- Created scalable REST APIs using Django and DRF for data-centric applications.
- Collaborated on MySQL database operations, query optimization, and API integration.
- Used serializers,middlewares and made fuction based apis using post method for better understanding.
- Used to find bugs and Wrote unit tests and managed versioning via Git and GitHub..

PROJECTS

PDF Chatbot | [Github](#) *Django, LangChain, Groq, and OCR* — April 2025 - May 2025
- Built a document-aware chatbot using Django, LangChain, Groq (LLaMA 3), and OCR(Pytesseract) to extract and answer queries from uploaded PDFs.
- Integrated ChromaDB for vector search, HuggingFace embeddings, and deployed via Docker.
- Demonstrated functionality through Postman.

MedicoX | [Netlify](#) *Python, CNN, Django, ReactJs* — Dec 2024 - March. 2025
- Developed a Three Medical Image Analysis Models used for detecting alzheimer's,Lung cancer and pneumonia using mri,ctscan,xray.
- Used to predict diseases with High accuracy and correctly classify them into classes.
- Used Django as a backend server and Restframework for the easy implementation of it.

Multiple Disease Prediction | Github *Machine Learning, Streamlit*   *July 2024 – Aug. 2024*

- Developed ML models for predicting multiple diseases including Diabetes, Heart Disease, and Parkinson's disease using Support Vector Classifier (SVC) and logistic regression.
- Integrated the models with a web application using Streamlit library in Python to provide a user-friendly disease prediction interface.