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

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

Miscellaneous: DSA, OOPS, DBMS, MySQL, Data Modelling, Data Warehousing, Power BI,Django/Flask

Experience

AI Intern May 2025 Present
OneDose AI *Jaipur*

- Made a Suggestion Model For Spelling Correction using Symspell and fuzzy search.
- Created Apis for this model and deployed it on GCP using flask.
- Applied RAG for medicine Mapping throguh salt names and brand names and deployed it on GCP.
- Created custom vector embeddings on open-source models and trained them on my own data to improve a suggestion engine.

Python Developer Intern Feb 2025 - April. 2025
i4 consulting | *Certificate* *Jaipur*

- Built RESTful APIs with Django REST Framework to create graph Apis and tested them using postman.
- Managed and handled database using models ORM and django admin panel.
- Used serializers,middlewares and made fuction based apis using post method for better understanding.
- Used to find bugs and fixed them daily.

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 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.