

UJJWAL TAK

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EDUCATION

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

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 <i>OneDose AI</i>	May 2025 Present <i>Jaipur</i>
<ul style="list-style-type: none">• Made a Suggestion Model For Spelling Correction using Symspell and fuzzy search.• Created Apis for this model and deployed it on GCP using flask.• Made a RAG Pipeline with custom embeddings using open source models stored in FAISS.• Applied finetuning PEFT(QLoRA,LoRA) techniques to compare the accuracies on various GPT-3.5,4 ,Mistral,llama, claude LLMs Models.	
Python Developer Intern <i>i4 consulting</i> Certificate	Feb 2025 - April. 2025 <i>Jaipur</i>
<ul style="list-style-type: none">• 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 <i>Django, LangChain, Groq, and OCR</i>	April 2025 - May 2025
<ul style="list-style-type: none">• 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 <i>Python, CNN, Django, ReactJs</i>	Dec 2024 - March. 2025
<ul style="list-style-type: none">• 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.	
Narration Generation Artwork Github <i>ML, Django, TTS, Stable Diffusion</i>	July 2025 – August 2025
<ul style="list-style-type: none">• Designed and implemented an AI-powered Narration Platform that transforms user text into narrated audio with Microsoft Edge TTS and dynamically mixed background music.• Integrated Stable Diffusion (Stability AI API) to generate high-quality visuals from text prompts, enabling multimodal storytelling (audio + image).• Delivered an end-to-end pipeline combining text, speech, music, and AI imagery, showcasing practical application of generative AI in multimedia content creation.	