

# DHWANIT CHOKSHI

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Ahmedabad, Gujarat, India (Open to Relocation)

## PROFILE SUMMARY

Aspiring AI Engineer and Data Scientist with hands-on experience in Machine Learning, Generative AI, and LLM application development. Skilled in building Retrieval-Augmented Generation (RAG) systems and intelligent AI applications using Python and LangChain. Strong foundation in exploratory data analysis (EDA), data preprocessing, feature engineering, and predictive modeling. Experienced in developing end-to-end AI solutions and deploying ML models using Python and FastAPI. Computer Science graduate seeking entry-level roles in AI Engineering, Data Science, and Machine Learning.

## TECHNICAL SKILLS

**Languages:** Python, SQL, C++

**Generative AI:** LangChain, Retrieval-Augmented Generation (RAG), HuggingFace Transformers, Prompt Engineering, Llama2, OpenAI, FAISS, ChromaDB, Pinecone

**ML/DL Frameworks:** Random Forest, SVM, XGBoost, CNNs, Transfer Learning, Data Augmentation, SMOTE, GridSearchCV

**Libraries:** Scikit-learn, TensorFlow, Keras, Pandas, NumPy, Matplotlib, Seaborn

**Tools:** FastAPI, Docker, Git/GitHub, Jupyter, OpenCV, joblib, pickle

**Core Areas:** EDA, Feature Engineering, Model Evaluation, Model Tuning, Data Cleaning, Statistical Analysis

## EXPERIENCE

### Rubixe (AI Solutions)

May 2025 – Nov 2025

*Data Science Intern*

Remote

- Performed **EDA and feature engineering** on real-world datasets to improve model performance.
- Streamlined the **ML workflow** from preprocessing to evaluation, improving dataset quality.

### Tech Elecon

Jan 2025 – Apr 2025

*Data Science Intern*

Vidyanagar, Gujarat, India

- Built a disease prediction system using **Random Forest** and **FastAPI**.
- Improved prediction reliability to **80% similarity** using fuzzy matching and feature engineering.

## PROJECTS

**Multi-Document RAG Chatbot** | LangChain, HuggingFace, Streamlit

[Live Demo](#) | [GitHub](#)

- Built a **RAG chatbot** answering questions from **multiple documents** using LangChain and HuggingFace LLMs.
- Implemented **document chunking, embeddings, and vector search** to enable accurate contextual retrieval.

**AI Resume Analyzer** | LangChain, HuggingFace, Streamlit

[Live Demo](#) | [GitHub](#)

- Built an **AI-powered resume analyzer** that compares resumes with job descriptions and generates an **ATS match score**.
- Implemented **LLM-based skill gap analysis** using LangChain and deployed the app using Streamlit.

**Telecom Customer Churn Prediction** | Python, Scikit-learn, SMOTE

[GitHub](#)

- Achieved **91% accuracy** and **0.9038 ROC-AUC** using **SMOTE** for class imbalance.

**Rice Leaf Disease Prediction** | TensorFlow, Keras, OpenCV

[GitHub](#)

- Achieved **98.33% accuracy** using a **CNN model** with **Data Augmentation** and **Transfer Learning**.
- Built an **image classification pipeline** using CNNs to detect rice leaf diseases from plant images.

## EDUCATION

Datamites

2025

*Certified Data Scientist (Professional Certification)*

Ahmedabad, Gujarat, India

A.D Patel Institute of Technology (CVM University)

2021 – 2025

*B.Tech in Computer Science & Design - GPA: 7.85/10*

Vidyanagar, Gujarat, India