

DHRUVIL GALAIYA

AI/ML INTERN



dhruvilgalaiya07@gmail.com



+91 8160935358



Pune, India



<https://www.linkedin.com/in/dhruvil-galaiya/>

ABOUT ME

AI/ML student dedicated to translating complex machine learning research into practical, scalable solutions. Adept at developing end-to-end AI pipelines and deploying intelligent solutions to address real-world problems. Seeking an AI and Machine Learning internship to tackle real-world engineering challenges and optimise model performance.

EDUCATION

SYMBIOSIS INSTITUTE OF TECHNOLOGY, PUNE

B.Tech in Artificial Intelligence & Machine Learning

June 2023 – June 2027

SKILLS

LANGUAGES

- Python
- Java
- C
- JavaScript
- Node.js

MACHINE LEARNING & AI

- Deep Learning
- Computer Vision
- Generative AI (GANs, LLMs)
- Reinforcement Learning
- Agentic AI

TOOLS & DEVOPS

- AWS (EC2, S3)
- Docker
- Linux

PROJECTS

AI-Driven Personal Financial Manager | Deep Learning, RL, Next.js, PostgreSQL

2026

- Architected an AI-based financial advisory system leveraging machine learning, deep learning, and reinforcement learning to analyse user spending patterns and generate personalised financial insights
- Developed a full-stack application using React, Next.js, Node.js, and integrated backend models for real-time decision support.
- Developed an AI-powered financial chatbot using the Gemini API and Retrieval-Augmented Generation (RAG) principles, allowing users to query personal financial data through natural language and receive context-aware recommendations and actionable insights.

Smart Farming Computer Vision Agent | CNNs, MobileNetV2, ESRGAN, DCGAN

2025–2026

- Built a mobile-optimized Computer Vision agent to classify sugarcane crop ailments (such as red rot disease) with over 80% inference confidence.
- Addressed agricultural data scarcity by synthesising realistic disease samples using DCGANs, and implemented ESRGAN to upscale low-resolution uploads from farmers' mobile devices.
- Deployed the model with multi-lingual support, ensuring high accessibility and low-latency performance on edge devices via MobileNetV2.

Real-Time Fake News Detection System | NLP, TF-IDF, FastAPI, Chrome API

2025

- Developed a real-time NLP pipeline utilising TF-IDF feature extraction and Machine Learning classification models to evaluate news credibility with 82% accuracy.
- Deployed the inference engine via a FastAPI backend, ensuring efficient handling of text-processing requests.
- Integrated the backend with a custom Chrome Extension, allowing users to analyse web content seamlessly during browsing sessions.