

PROFILE SUMMARY

AIML graduate with hands-on experience building machine learning models, GenAI applications, and data-driven workflows. Skilled in Python, SQL, R, NLP, and computer vision, with multiple deployed projects using Flask, FastAPI, and Gradio. Experienced in developing explainable ML pipelines, integrating LLM-based solutions, and optimizing end-to-end performance across real-world applications. Strong foundation in data preprocessing, feature engineering, and deploying AI systems on cloud platforms.

SKILLS

Languages	Python, SQL
Frameworks & Libraries	PyTorch, TensorFlow, Keras, Hugging Face Transformers, Scikit-learn, Pandas, NumPy, OpenCV
Tools	Git, Jupyter Notebook, Docker, Model-serving frameworks (FastAPI), Linux, VS Code
AI Domains	Deep Learning, NLP, LLMs, Generative AI, Agentic AI, Transformer Models

PROJECTS

AI Recipe Creator (LLM-based Generation) <i>Tech Stack: Python, Flask, Google Gemini AI, RAG, JavaScript, Render</i> - Engineered an LLM-driven recipe generator using Gemini AI and RAG with 90% accurate image-to-text extraction. - Improved recipe relevance by 30% through multimodal analysis and refined prompting. - Optimized inference pipeline to achieve <500ms latency after deployment on Render.	Nov 2025
Sentiment Analysis Web App <i>Tech Stack: Python, Scikit-learn, Flask, Gradio, Hugging Face Spaces</i> - Trained a Naive Bayes classifier on Sentiment140 achieving 82% accuracy using TF-IDF features. - Designed the initial Flask interface and later migrated to Gradio, reducing deployment issues by 60%. - Delivered <300ms prediction latency with consistent inference on Hugging Face Spaces.	July 2025
FoodBot – Intelligent Food Delivery Chatbot <i>Tech Stack: Python, FastAPI, Dialogflow, MySQL, NLP</i> - Developed an NLP-powered chatbot with Dialogflow, improving intent recognition accuracy by 25%. - Implemented workflow automation with FastAPI, reducing response time by 40%. - Integrated MySQL for structured user and menu data retrieval with 95% query accuracy.	Sep 2024

EDUCATION

Bachelor of Technology in Artificial Intelligence & Machine Learning , R. C. Patel Institute of Technology	July 2025
Higher Secondary Certificate (HSC) – Science , D. R. Junior College	June 2021
<i>Percentage: 83.83%</i>	
Secondary School Certificate (SSC) , S. H. G. S. High School	June 2019
<i>Percentage: 81.81%</i>	

CERTIFICATIONS

Full Stack Data Science & Generative AI with Agentic AI , Naresh IT, Hyderabad	Present
Machine Learning Engineer Training (2 Months) , Symbiosis Skills & Professional University, Pune	Aug 2024
AWS Academy Graduate Certificate – Cloud Foundations , AWS Academy	Aug 2023

PUBLICATIONS

Breast Cancer Detection using Machine Learning and Deep Learning Models , <i>International Journal of Creative Research Thoughts (IJCRT)</i> <i>Research paper published focusing on ML & DL-based breast cancer diagnosis.</i>	May 2025
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ACTIVITIES

- Technical Team Member at the Fetch.ai Club, contributing to AI/ML workshops and student-driven research initiatives.
- Secured 1st Prize in the college Art Exhibition (2022), selected from 50+ participants for exceptional illustration and creative design.
- Secured 1st Prize in the “Stranger Code” programming competition, outperforming 100+ student competitors.
- Active NSS (National Service Scheme) volunteer engaged in community development and social outreach activities.