

JANANI N

PYTHON | DATA SCIENCE | ML

CONTACT

- +91 9486562329
- janani.natarajan.io@gmail.com
- LinkedIn
- Git

SKILLS

- Python,C
- NLP,
- Numpy,Pandas
- Scikit Learn,Tensorflow,Keras
- Problem Solving
- LLM
- Data Analysis
- API Design

ACHIEVEMENTS

- AI Innovate (First Place)
- HackDay (Second Place)
- TechDivathon (Third Place)

LANGUAGES

- English (Fluent)
- Tamil
- Hindi



PROFILE

Curious and innovative B.Tech student specializing in Artificial Intelligence and Data Science (graduating in 2027). Transforming classroom theory into real-world applications through hackathons, project-based learning, and collaborative innovation. Committed to solving complex problems using emerging technology solutions.



EDUCATION

B.Tech -Artificial Intelligence and Data Science 2023-2027
Sri Manakula Vinayagar Engineering College

PROJECTS

Speaksi
Speaky is an AI-powered speech therapist for children, analyzing pronunciation using Flask, Librosa, Wav2Vec2, OpenAI API, and gTTS to provide feedback, error detection, and personalized improvement tips. The stack includes Python, Flask, Deep Learning, NLP, and Speech Processing technologies.

Medigist
Lab Report Analysis RAG System is an AI-powered tool using LLaMA 3.1 (3B), FAISS, and OpenAI embeddings to efficiently retrieve and analyze lab reports. The stack includes Python, RAG, FAISS, LLMs, and NLP technologies.

TECHNICAL STACK

Data Science / Machine Learning / Deep Learning
Python, Data Visualization, Supervised learning algorithms, Unsupervised Learning algorithms, ANN, CNN, EDA, Feature engineering, Feature selection & extraction.

Mathematics for ML & DL
Algebra, Probability, Statistics, Calculus, Matrices.

Python packages and Frameworks
Scikit-Learn, TensorFlow, Keras, Cloud Vision API, NumPy, Pandas, SciPy,

Retrieval-Augmented Generation (RAG) Model
FAISS for vector storage, OpenAI embeddings for retrieval, LLaMA 3.1 for response generation.

