James Nithil V

+91 8220173595 | jamnithil@gmail.com | https://linkedin.com/in/jamesnithil-v | https://github.com/nithiljn | https://jamesnithil.vercel.app | https://leetcode.com/u/NITHIL07/

OBJECTIVE

Full Stack Software Developer with hands-on experience in Generative AI, backend development, and real world product building. Strong background in AI driven application development, dynamic backend logic, and no code platform engineering (Sovablu). Proven ability to design, build, and ship quality software products with a problem solving mindset. Passionate about developing scalable AI solutions and delivering high impact outcomes in fast-paced environments.

PROJECTS

SymptoMedAI | *Python, Flask, ML,TensorFlow| Github : https://github.com/nithiljn/SymptoMedAi*   Jan-2025
- Built an AI powered medical diagnosis platform that predicts diseases from user symptoms with 93%+ accuracy.
- Trained and evaluated multiple ML models using Scikit-learn and TensorFlow for reliable health predictions.
- Integrated an LLM powered medical chatbot for 24/7 symptom checking and health guidance.
- Designed an interactive analytics dashboard using Matplotlib to visualize predictions and treatment suggestions.

AI Interview Chatbot | *Python,LLM,RAG,flask,Pytorch | GitHub:https://github.com/nithiljn/james-ai-voicebot* May-2025
- Developed a conversational AI system to assist users with interview preparation and mock interviews.
- Implemented Retrieval-Augmented Generation (RAG) for context-aware, personalized responses.
- Integrated speech-to-text and text-to-speech for real-time voice interaction.

PROFESSIONAL EXPERIENCE

Backend Developer – No-Code Platform (Sovablu)   AUG

Sovablu   *Product Based Development — 6 Months Experience*
- Worked on a live no-code platform (Sovablu) supporting real users and production workflows.
- Optimized data pipelines, reducing report generation time by 20% (from 4 hours to 3.2 hours).
- Implemented dynamic code replacement and backend logic to enable flexible screen-level access control and ownership changes.
- Designed backend workflows to support real-time updates and consistent state synchronization across multiple user sessions.
- Strengthened expertise in product engineering, backend design, and system-level thinking.

TECHNICAL SKILLS

Languages: Python(Advanced),Core Java(Advanced),postgresql, JavaScript.
Frameworks & Libraries: FastAPI, Spring Boot.
Database & Cloud: AWS.
Generative AI: Large Language Models (LLMs), Retrieval-Augmented Generation (RAG), Hugging Face Transformers.
Developer Tools : Git & GitHub,Eclipse IDE, VS Code, google-colab, DevTools.

CERTIFICATIONS

Core Java & SQL Certification - EBox | **MySQL Database Certification** - IBM | **Machine Learning Certification** - Simply Learn | **Deep Learning using PyTorch** - Guvi

EDUCATION

Knowledge Institute of Technology   Salem, Tamil Nadu

Bachelor of Technology in Artificial Intelligence and Data Science   *Aug. 2021 – May 2025*
- CGPA: 8.1/10

ACHIEVEMENTS

Team Lead - Smart India Hackathon   2023

Led a Team of 5 Members   *National Level Hackathon*
- Successfully led a team of 5 developers in building an innovative solution for Smart India Hackathon.