

James Nithil V

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OBJECTIVE

Highly motivated AI student with strong skills in Java and a deep interest in software and AI development. I learn quickly, can join immediately, and am fully committed to giving my best even if it means working 12+ hours a day to get the job done. I'm currently building hands-on AI projects and exploring automation, and I genuinely enjoy coding, especially when it involves solving real-world problems.

PROJECTS

- SymptoMedAI** | *Python, Flask, ML, TensorFlow* | *Github* : <https://github.com/nithiljn/SymptoMedAi> Jan-2025
- Built a medical AI platform that predicts diseases from symptoms with over 93% accuracy using ML models.
 - Integrated a real-time medical chatbot using LLMs to provide 24/7 symptom checking and health guidance.
 - Developed RESTful APIs using FastAPI and Flask to enable efficient and scalable symptom analysis.
 - Designed an interactive dashboard with Matplotlib for visualizing predictions and suggesting treatments.
- AI Interview Chatbot** | *Python, LLM, flask, Pytorch* | *GitHub*: <https://github.com/nithiljn/james-ai-voicebot> May-2025
- Developed AI Interview Chatbot solving interview preparation challenges with personalized responses.
 - Implemented LLM processing and voice recognition for real-time conversation flow.
 - Built intelligent question-answer system with contextual understanding and feedback mechanisms.

EXPERIENCE

- Data Analytics & Visualization Intern** Nov. 2023 – May 2024
Accenture *Remote*
- Analyzed over 10,000 records using Pandas and NumPy to extract actionable business insights and identify performance trends.
 - Optimized data pipelines, reducing report generation time by 20% (from 4 hours to 3.2 hours).
 - Designed interactive dashboards in Power BI and developed insightful data visualizations using Matplotlib.
 - Presented analytical findings to senior stakeholders and automated reporting workflows across 5+ departments.
 - Worked in cross-functional teams following Agile methodologies to deliver timely, data-driven solutions.

TECHNICAL SKILLS

Languages : Python(Advance), Core Java(Advance), SQL, JavaScript, HTML5 & CSS3.
Frameworks & Libraries : TensorFlow(basic), Scikit-learn, Pandas, NumPy, Matplotlib, Flask, Spring Boot.
Data Engineering & Cloud : Google Colab, AWS(S3, EC2 basics), Vercel (deployment), MySQL.
Generative AI : LLMs (Large Language Models), Retrieval-Augmented Generation (RAG), Hugging Face Transformers, Prompt Engineering.
Developer Tools & Practices : Git & GitHub, Jupyter Notebook, Eclipse IDE, VS Code.

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: 7.9/10

ACHIEVEMENTS

LeetCode Problem Solver Ongoing
Competitive Programming *leetcode* : <https://leetcode.com/u/NITHIL07/>

- Solved 220+ coding problems, ranking in top 35% of developers globally