

Thiyagarajan V

Aspiring AI | Python full stack developer

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PROFESSIONAL SUMMARY

Results-oriented Python developer with strong knowledge in back-end and full stack application development using Django, React, and MySQL. Passionate about building AI-powered solutions, currently learning Natural Language Processing (NLP), Large Language Models (ChatGPT, Gemini), API integration (OpenAI, Hugging Face), and prompt engineering. Proficient in RESTful APIs, cloud deployment, data pre-processing, and debugging. Dedicated to delivering scalable, efficient, and user-friendly software solutions.

TECHNICAL SKILLS

Programming Languages: Python, JavaScript (ES6+), HTML, CSS

Frameworks | Libraries: Django, Flask, DRF, vite + React

Databases: MySQL, SQLite, MongoDB

Tools | Platforms: Git, GitHub, Docker, Heroku, AWS (Basics), Postman, Replit

Software Practices: RESTful API development, Unit Testing, Debugging, OOP, MVT Architecture, Data structures

Current learning (AI | Machine Learning): NLP, LLMs, Prompt Engineering, OpenAI API, Hugging Face, LangChain

EDUCATION

T.J Institute of Technology, BE in Computer Science and Engineering may 2022 – june 2025

- CGPA: 7.5/10.0

Srinivasa Subbaraya Government College, Diploma in Computer engineering sep 2019 – april 2022

- CGPA: 7.3/10.0

Jawahar Matriculation Higher Secondary School, Secondary School Certificate may 2019

- Percentage: 73

PROJECT EXPERIENCE

MediBot – AI Virtual Assistant —| Python | Django | NLP 2025

- Designed and developed a medical chatbot prototype that processes user health queries and provides instant medical support.
- Applied text preprocessing techniques and chatbot algorithms to simulate real-time interactions.
- The prototype was deployed in Replit, ensuring seamless testing and demonstration.

Spatial Sound Scene Analysis —| Python | Machine Learning | DRF | React.js 2025

- Implemented an audio analysis system to detect and classify emergency sound sources using machine learning algorithms.
- Designed a feature to automatically reduce device volume by 50 percent during critical alerts, enhancing user safety.
- Performance tested and validated on Replit, ensuring accuracy and responsiveness.

Online Organic Food Order System —| Django | React | MySQL 2022

- Built a complete full-stack e-Commerce web application to facilitate browsing, ordering, and delivery of organic products.
- Integrated Django REST framework for backend API development and implemented React for an interactive user interface.
- Improved user experience through optimized back-end queries and efficient state management.

CERTIFICATIONS

Freecodecamp: Scientific Computing with Python

LinkedIn: Become a Django Developer

Outskill: Generative AI Mastermind

CODEING PROFILES

GeekForGeeks

geeksforgeeks.org/user/thiyagu205r3d

HackerRank

hackerrank.com/profile/thiyagu2004nanni