ALEXRAJ TS

Portfolio | GitHub |Linkedin | alexrajcse2000@gmail.com|6382900549 |Chennai, Tamil nadu

SUMMARY:

Python Full Stack Developer with hands-on experience in building scalable, production-grade applications using Python, FastAPI, React, and modern databases. Experienced in real-time voice-based systems, AI-powered evaluation workflows, CI/CD pipelines, and cloud deployment. Currently working on US-based projects involving medical education assessment and digital credential issuance.

EXPERIENCE:

Python Full Stack Developer

DGI Worx | July 18, 2025 – Present

- Developing and maintaining full-stack applications using FastAPI and React.
- Building REST APIs and integrating AI-driven answer validation using OpenAI Playground.
- Working with MongoDB and PostgreSQL for scalable data management.
- Supporting CI/CD workflows and production deployments.

Python Full Stack Developer – Intern

DGI Worx | April 17, 2025 – July 17, 2025

- Developing and maintaining full-stack applications using FastAPI and React.
- Building REST APIs and integrating AI-driven answer validation using OpenAI Playground.
- Working with MongoDB and PostgreSQL for scalable data management.
- Supporting CI/CD workflows and production deployments.

PROJECTS:

EMStamps (US Medical Education Platform)

- Built a real-time exam platform where medical students answer using voice input.
- Implemented speech-to-text conversion via webhooks with real-time processing.
- Validated answers using OpenAI Playground for efficient assessment.
- **Tech**: FastAPI, React, MongoDB, OpenAI.

Credostar (Digital Certificate Platform)

- Developed a credential issuance platform with role-based certificate workflows.
- Designed certificates from scratch using Konva.js and staging tools.
- Implemented verifiable certificates compliant with OBV3 standards.
- **Tech**: React, TypeScript, FastAPI, PostgreSQL, Konva.js.

Voice Based Email For Blind Peoples (Academic) Github Link

- This project is a Python-based voice-controlled email system designed to assist visually impaired individuals in managing their emails independently.
- By leveraging speach recognition for input and text-to-speach technologies for output, the system enables users to compose, send, read, and navigate emails through voice commands
- **Tech:** Python

Skin Disease Deteciton using CNN (Academic) Github Link

- This project implements a skin disease detection system using convulutional Neural Networks in Python.
- By training model on a dataset of skin images, the system can accurately classify and predict various types of skin conditions. The goal is to assist in early diagnosis.
- **Tech**: Python

SKILLS:

Languages: Python, JavaScript, TypeScript
Frontend: React JS, HTML, CSS, Konva.js
Backend: Python FastAPI, REST APIs
Databases: MongoDB, PostgreSQL, MySQL
DevOps & Hosting: Jenkins (CI/CD), Hostinger
AI & Tools: OpenAI Playground, Speech-to-Text APIs, Webhooks
Tools: Git, GitHub, VS Code, PyCharm, Cursor, Anti Gravity

EDUCATION:

Jayalakshmi institute of technolgy 2021-2024
Bachelor of Computer science and engineering Dharmapuri, Tamilnadu
CGPA : 7.4

Shreenivasa polytechnic college 2018-2020
Diploma in mechanical engineering Dharmapuri, Tamilnadu
Percentage : 80%

Government higher secondary school 2017-2018
HSC Salem, Tamilnadu
Percentage : 63%

CERTIFICATES:

- **Python Fullstack Development** - Besant Technologies

ACHIEVEMENTS:

- 1st Rank Award in athletics Running
- Best player Award in VOLLEY BALL match