Sakthisaran S
B.Tech - INFORMATION TECHNOLOGY

266, Kugaiur Road,
Chinnasalem, Kallakurichi-606201.
Email id: sakthisaranssss55@gmail.com
Phone No: +91 8925317177

Docker hub : https://hub.docker.com/repositories/sakthisaran
GitHub   : https://github.com/sakthisarans
LinkedIn   : www.linkedin.com/in/sakthisaran-s
Portfolio   : https://www.sakthisaran.site

CAREER OBJECTIVE

In search of a demanding position in the IT industry where I can use my foundational knowledge to boost productivity. I am also flexible enough to work on any technology required by the project or organisation, and I will commit to developing and honing my well-rounded skills in order to advance professionally.

SKILLS

1. Java (Spring Boot), C#, React JS
2. Python (Flask, OpenCV, TensorFlow, Telegram bot)
3. Micro python (IOT), MongoDB
4. Docker & Kubernetes, Linux
5. Jenkins and SonarQube

ACADEMIC QUALIFICATIONS

EDUCATIONAL QUALIFICATION	INSTITUTION	UNIVERSITY AND BOARD	YEAR OF PASSING OUT	PERCENTAGE
B.Tech - IT	K S Rangasamy College of Technology, Tirunchengode.	Anna University	2023	83.5%
HSC	Tagore Matric Hr. Sec. School., Deviyakurichi	Tamil Nadu State Board	2019	69.16%
SSLC	Tagore Matric Hr. Sec. School., Deviyakurichi	Tamil Nadu State Board	2017	86.20%

PROFESSIONAL EXPERIENCE

Software Engineer - Intern

Purple Grids (12th September 2023 – 30th December 2023) – 4 months

- Creates a customer engagement chat bot with an integrated no-code development platform.
- uses various AI models to analyse user interaction and optimise the bot.
- IBM Watson is used to analyse the intention of the user and navigate the user to the bot flow accordingly.

Software Engineer – Full Time

Mondee Tech Private Limited (Present) – 3 months

- Developed an AI embedded chat bot for the international and domestic travellers
- Configured routing and rate limiting for the internal microservices in spring cloud gateway.
- Used Redis as a cache to rate limit the user request based on IP and access token.

SOFTWARE KNOWLEDGE

- IntelliJ
- VScode
- PyCharm
- GitHub Desktop

- Mongo Compass
- Docker desktop
- Ubuntu & Debian
- Postman

SOFT SKILLS

- Problem-solving
- Adaptability
- Open-mindedness

- Active listening
- Collaborative Coding
- Continuous Learning

HANDS ON EXPERINCE

1. Deployment with Kubernetes (deploy and load test the microservice, also configured for horizontal pod scaling and health check validation using K6 on Minikube)
   (Reference GitHub: Click Here)

2. AI-based personal voice (built on Python with a Google Palm AI model to interact and control PCs)
   (Reference GitHub: Click Here)

3. IOT-based Spotify controller (built on the Raspberry Pi Pico to control Spotify playback from RFID card)
   (Reference GitHub: Click Here)

4. Shopping API (built on Spring Boot for an e-commerce service with a backend as MongoDB)
   (Reference GitHub: Click Here)

5. Facial recognition door lock (built with Raspberry Pi 4 and TensorFlow to build a neural network)
   (Reference GitHub: Click Here)

6. File encryption bot with Telegram (encrypt any personal file based on the Sha256 hask key as a password)
   (Reference GitHub: Click Here)

7. Build an IOT-based system to control the irrigation system.
   (Reference GitHub: Click Here)

8. Some hobby exploration with frontend react JS.

9. Integrated an auto deployment in a microk8s environment with Jenkins and SonarQube on my home server the server is exposed to the public with the help of Cloudflare Zero trust also. The microk8s is equipped with services like Jellyfin, next cloud, home assistant, PIHole, OpenVPN etc…

LEADERSHIP SKILLS

1. Students single point of contact (SPOC) Information Technology - 2021-2022

- To act as an intermediary between the placement cell and students by raising awareness of placement-related activities.

2. Member – SM Volunteering club

- Create awareness among people by conducting various events.

CERTIFCATIONS AND COURSES

1. AZ-900(AZURE FUNDAMENTALS), MICROSOFT, March 2023
2. JAVA (BASICS) certification on HackerRank
3. Linux Basics and Shell Programming Certification Training – Udemy
4. Introduction to programming with Java – Udemy
5. Learnathon - ICT Academy 2020
6. SkillEdge - ICT Academy 2021
   (Reference: Click Here)

HACKATHONS PARTICIPATED

TN POLICE HACKATHON – 2022 (WINNER – 1st PRIZE)

- Proposed and demonstrated an intelligent tracking system for searching for a victim using public cameras.
- The idea behind the system is to form a cluster with the public camera feeds and analyse the feed from the cameras with the neural network to improve the search accuracy.
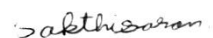
AREA OF INTEREST

- Backend
- Devops
- IOT
- Networking

HOBBIES

- Playing video games
- PC Building
- Listening to Music

DECLARATION

Hereby affirming the accuracy, truthfulness, and completeness of the provided details to the best of knowledge and belief.

Sakthisaran

signature