

Sakthisaran S

B.Tech - INFORMATION TECHNOLOGY



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Dockerhub: <https://hub.docker.com/repositories/sakthisaran>
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CAREER OBJECTIVE

Seeking a challenging career leveraging core knowledge to enhance productivity in the IT sector, with a focus on expanding and refining well-rounded skills. Committed to continuous skill enhancement for professional growth.

SKILLS

- 1. Java (Spring Boot)
- 2. Python (Flask, OpenCV, TensorFlow, Telebot)
- 3. Micro python (IOT)
- 4. MongoDB
- 5. Docker & Kubernetes
- 6. Linux

ACADEMIC QUALIFICATIONS

EDUCATIONAL QUALIFICATION	INSTITUTION	UNIVERSITY AND BOARD	YEAR OF PASSING OUT	PERCENTAGE
B.Tech-IT	K S Rangasamy College of Technology, Tiruchengode.	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

Internship - Bot Developer

Purple Grids (Ongoing)

- 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 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)
2. AI-based personal voice (built on Python with a Google Palm AI model to interact and control PCs)
3. IOT-based Spotify controller (built on the Raspberry Pi Pico to control Spotify playback from RFID card)
4. Shopping API (built on Spring Boot for an e-commerce service with a backend as MongoDB)
5. Facial recognition door lock (built with Raspberry Pi 4 and TensorFlow to build a neural network)
6. File encryption bot with Telegram (encrypt any personal file based on the Sha253 hask key as a password)
7. Build an IOT-based system to control the irrigation system.

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

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.
- The cluster group is used to track the victim with precise accuracy and determine the location of the victim.

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.


signature