Sakthisaran S

Software Engineer – Mondee AI Labs

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GitHub : https://github.com/sakthisarans
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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), React JS
2. Docker & Kubernetes, Linux, Jenkins
3. Python (Flask, OpenCV, TensorFlow, Telebot)
4. Micro python (IOT)
5. MongoDB, Redis

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

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 AI Labs - JAN 2024 To (At Present)

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

HANDS ON EXPERINCE

1. Developed an AI-based personal voice assistant using Python, powered by the Google Palm AI model. The assistant enables interaction and control of PCs
2. Designed and implemented a facial recognition door lock system using a Raspberry Pi 4 and TensorFlow. The system utilizes a neural network to analyse facial data and is integrated with a Telegram bot, enabling user control.
3. Developed a Telegram file encryption bot that securely encrypts personal files using a SHA-256 hash key as the password
4. Designed and implemented a microservices architecture for GPS tracker management, incorporating JWT token-based authentication. Successfully deployed the system on Kubernetes using Jenkins. The microservice exposes multiple endpoints to control the tracker and serve data to the React-based UI, which is also deployed in Kubernetes.

   (Reference GitHub: Click Here)

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.

CERTIFCATIONS AND COURSES

1. AZ-900(AZURE FUNDAMENTALS), MICROSOFT, March 2023
2. JAVA (BASICS) certification on Hacker Rank

HACKATHONS PARTICIPATED

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

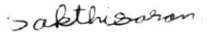
- Proposed and demonstrated an intelligent tracking system for searching for a victim using public cameras.
- The idea behind the system is to form a cluster with the public camera feeds and analyse the feed from the cameras with the neural network to improve the search accuracy.

AREA OF INTEREST

- Backend
- Devops
- IOT

DECLARATION

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



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