Sidharth

Developer @ Innovation labs

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❤ Single

EDUCATION

BCA

Vlb Janakiammal College of Arts and Science
17/07/2017 - 21/09/2020
Grade - 78%
Coimbatore

SKILLS

Asp.net

C#

Azure

Python

HTML

Vue.js

Django

MySQL

Flask

Css

Css/Scss

Angular

ABOUT ME

Innovative tech mind with 1.6 years of experience working as a computer programmer. Capable of working with a variety of technology and software solutions, and managing databases. Valuable team member who has experience diagnosing problems and developing solutions.Talented person with unique ideas and a history of successful contributions in the field.

PROFESSIONAL EXPERIENCE

Developer

TCS
06/06/2022 - Present
chennai

TCS Rapid Labs aims at accelerating innovation. It solves business problems, adopting a unique rapid methodology that enables the end-to-end lifecycle of solution prototyping to move faster--from concept to design and development. The facility thus helps businesses get an early feel of innovation, and expedite decision-making processes to elevate the innovation quotient. The labs' core focus is to build rapid prototypes using niche technologies including AI/ML, AR/VR, IoT, blockchain, and robotics.

TCS innovation lab responsibilities.

- Time-bound resolution of customer challenges by expedited building of innovative business solutions leveraging emerging technologies
- Speedy validation of learning in the form of proof-of-technology for business challenge
- Leveraging repeatable processes to build innovative product and services lines
- Creation of a robust foundation for future enterprise scale solutions
- Minimizing business risk and reduction in go-to-market time thus providing first-mover advantage
- Exploring collaborative opportunities with alliance partners, and building an ecosystem of co-innovation
- Showcase center with state-of-the art infrastructure

Site Reliability Engineer

TCS
18/01/2021 - 01/06/2022
Chennai

At TCS, we're passionate about building software that solves problems. We count on our site reliability engineers (SREs) to empower our users with a rich feature set, high availability, and stellar performance level to pursue their missions. As we expand our customer deployments, we are currently seeking an experienced SRE to deliver insights from massive scale data in real time. Specifically, we are searching for someone who brings fresh ideas, demonstrates a unique and informed viewpoint, and enjoys collaborating with a cross-functional team to develop real-world solutions and positive user experiences at every interaction.
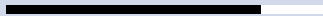
Objectives of this Role

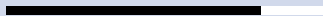- Run the production environment by monitoring availability and taking a holistic view of system health

- Build software and systems to manage platform infrastructure and applications
- Improve reliability, quality, and time-to-market of our suite of software solutions
- Measure and optimize system performance, with an eye toward pushing our capabilities forward, getting ahead of customer needs, and innovating to continually improve
- Provide primary operational support and engineering for multiple large distributed software applications

Daily and Monthly Responsibilities

- Gather and analyze metrics from both operating systems and applications to assist in performance tuning and fault finding
- Partner with development teams to improve services through rigorous testing and release procedures
- Participate in system design consulting, platform management, and capacity planning
- Create sustainable systems and services through automation and uplifts
- Balance feature development speed and reliability with well-defined service level objectives
- Working with Servicenow tickets.
- Monitor production applications to prevent from outages .
- Monitoring API, web services, DB through Splunk, Azure, Dynatrace, Bigpanda.
- SQL script preparation to resolve data discrepancy accross the system.
- Automation of daily works by creating various packags and applications.
- Code analysis to help development team to identify issue in production.
- Host testing of multiple servers to ensure its reliability.

PROJECTS

1.Host override testing

StartDate : 04/08/2021 EndDate : 23/04/2021

The application *is created as part of SRE automation .The tool is created using c# and selenium which will check overall response time of the web application by host overriding through different servers and calculate the performance of the web site.The application helped SRE to reduce work-load by 30%.*

Technology used: asp.net and c#

2.Python voice assistant bot

StartDate : 2020 EndDate : 31/12/2020

A personal voice assistant using python which can perform various actions based on voice commands .

Functionalities :

- *Sending email*
- *Surfing on web*
- *Mathematical calculation*
- *Playing music*
- *Opening files*
- *Taking notes from user*
- *Interactive UI*
- *Playing games*

- *Weather*
- Playing games

Technology used : Python

3.Daily Expense Tracker

StartDate : 2020

*"DAILY EXPENSE TRACKER"is a project which pro-
poses to form a process that can help to store and retrieve details regard-
ing the expense of a person or an organazation. My project has several
modules which are, login Dashboard. It can generate various reports as
per*

*requirements. It follows the two- tier architecture with front-end php and
back-end SQL Server. My project is capable of generating exepense re-
port*

based on months ,year aswell as days

Technology used:PHP, mysql

4.Individual household electric power consumption Data Set

StartDate : 2021

*Acquired the data set from kaggle and performed various data science
techniques.*

- *Data exploration and analysis using pandas.*
- *Data Visualization using matplotlib and seaborn .*
- *Regression and Time series analysis.*
- *Frequency Domain Analysis.*

Technology used: Python

5.Mask detection

StartDate : 2021

*A deep learning based model for detecting masks over faces in public
place to curtail community spread of Coronavirus is presented. The pro-
posed model efficiently handles varying kinds of occlusions in dense situ-
ation by making use of ensemble of single and two stage detectors. The
ensemble approach not only helps in achieving high accuracy but also
improves detection speed considerably. The model is 98.2% accurate at
mask detection with averageinference times of 0.05 seconds per image*

Technology used : Python

6.SL triage tool

StartDate : 29/12/2021 EndDate : 10/01/2022

*The application is created as part of SRE automation.The application is
created using asp.net .The functionality of tool is to fetch required data
from database and api .This details will be further used to validate overall
account setup and will display the result for working of Servicenow tick-
ets .*
The application saved 50% of workload from SRE team.

Technology used :Asp.net ,C#, MySql

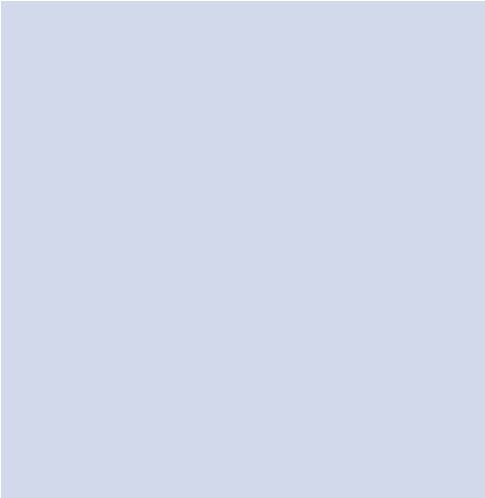6.Akaname report genarator

StartDate : 01/11/2021 EndDate : 02/11/2021

*The tool is created aspart of SRE automation. The tool is created to cross
verify the data from vendor with data from production database .The veri-
fied data report will be automatically send to vendor mail.The application
saved 40% of workload from SRE team.*

Technology used: C#

7.Infra prediction

StartDate : 29/06/2022 EndDate : 22/07/2022

*The application is developed as part of healthcare rapid labs usercases
.The application is based on AI/ML .The trained model predict the*

Servicenow tickets count from the given time frame and categorize the tickets .The model is trained from the Servicenow data .The model is trained with SARIMA algorithm and has accuracy of 93.2% .The model is accessed through a Rest API which is created using flask and access the api through Angular js.

Technology used*: Angular framework ,Flask and python*

Foot Ulcer prediction

StartDate : 25/07/2022 EndDate : 25/08/2022

The application is developed as part of healthcare rapid labs usercases .The AI model is created to predict the different stages of foot Ulcer. The model is created using CNN algorithm and has accuracy of 98.9%

Technology used: Python