

SIVA KUMAR P

No 47 North Street,
Arasangudi, Thiruverumbur(TK)
Trichy-620013

E-Mail : siva952001@gmail.com

Ph No : 8489410952

Career Objective

To be a part of a challenging team which strives for the better growth of the Organization explores my potential and provides me with the opportunity to enhance my talent with an intention to be an asset to the company.

Educational Profile

- B.Tech(Computer Science and Engineering) from Periyar Maniammai Institute of Science and Technology, Thanjavur (2018-2022) - 6.7 cgpa
- HSC from Chellamal Matric Higher Secondary School, Trichy (2016-2018) - 75%
- SSLC from St'Mary's Matriculation School, Trichy (2015-2016) - 94%

Professional Summary

Overall 2 years of experience as Python Developer and working in development and enhancing projects

- Working experience with Software Development Life Cycle (SDLC) like Requirements Gathering, Analysis, Design, Coding, Testing, Deployment and Maintenance of the application
- Experience in creating Restful APIs using *FastApi*
- Hands-on experience in working with several python libraries, including *Streamlit*, *Numpy*, *PyPdf*, *Pillow*, *OpenCv*, *ChromaDb*, along with their associated ecosystem
- Good understanding of AWS services provided for BigData Engineering such as *S3*, *EC2*, *Glue* and *Lambda* and LLM models such as *Llama3.1*, *Gemma2* & *Mistral*

Technical Skills

Programming Language & Frameworks, Libraries	Python & FastApi, Django, Pandas, SQLAlchemy, ORM
AI Tools & Libraries	LangChain, Ollama, RAG, LLM Model, HuggingFace & Transformers
Database	MySql Workbench
Version Control Tools	Git, GitLab
IDE	Visual Studio Code, PyCharm, Colab, Jupyter Notebook

Professional Experience

- Working as Python Developer in Oasys Cybernetics Pvt,Ltd,Chennai(2022 – Till)

Project Experience Summary

1. 1 Office Portal

Team Size : 4
Role Played : Developer
Skills Used : Fastapi ,Mysql,Swagger,Pillow,Opencv,Jinja2,Git&gitlab

- 1Office Portal Management focuses on implementing features such as attendance logging using facial recognition, team-centric task management, payslip retrieval, asset tracking, downloading categorized reports through MIS, ID management functionalities, and applying leave or permission requests to respective reporting managers and HR's.
- The primary focus of the associated web application is to streamline human resource management processes, facilitating efficiency and productivity in the workplace
- Implement QR code scanning functionality within the web application to cater to users who access the application from desktop devices.

2. RAG Chatbot

Role Played : Developer
Skills Used : langchain,Ollama,Chromadb,MongoDB,File processing

- Developed a chatbot system for TNPDS to assist with customer support, file processing, and query resolution, enhancing user interactions.
- The RAG Chatbot system combines artificial intelligence, vector storage, and database integration to provide seamless support and data management, significantly improving user experience and operational efficiency.

3. INTEGRATED EXCISE SUPPLY CHAIN MANAGEMENT SYSTEM (IESCMS)

Client : Department of Excise,Uttar Pradesh
Role Played : Manual Testing - Engaged in close collaboration with developers and

business analysts to pinpoint issues, Writing test cases, log bugs on Jira, and adeptly handle client inquiries and concerns.

- Integrated Excise Supply Chain Management(IESCMS) mainly focuses on implementing features such as User Management, License Management, SCM Production and Track Trace modules to capture the end to end process from manufacturing unit to final level retail shop sales.

Relevant Projects and Skills

- The Bigdata project entails managing a massive airport dataset comprising 120 million records. To effectively handle this data volume, we leverage Amazon S3 as a storage solution, where the dataset is uploaded. Integration with an Amazon EMR cluster facilitates efficient data processing, enabling tasks such as data cleaning, analysis, and transformation. The output from these processing tasks is then stored in different scenarios using AWS RDS, allowing for structured and accessible storage of the processed data. This architecture ensures scalability, reliability, and cost- effectiveness in managing and analyzing the extensive airport dataset.

Skills Used : Pyspark,S3,EMR and RDS

- The Deduplication project entails improving an existing Excel spreadsheet by integrating randomly generated data while maintaining accuracy and identifying duplicates using the Levenstein library. Additionally, it involves automating the detection and addition of duplicates using Selenium for a dataset containing 200,000 records

Skills Used : Selenium, Fuzzywuzzy and Jinja2

- 1Analytics is a web-based software designed for data analytics, enabling users to upload datasets and obtain insights through plots or graphs using a dedicated chatbot system. Designed and implemented chatbot architectures, including intents, entities, stories, and custom actions, to meet project requirements and user needs effectively. Our intelligent bot, constructed with the Rasa library, dynamically interacts with users, enriching the interactive data analysis experience based on their inquiries

Skills Used : Python,Rasa,Fastapi,Matplotlib,Pandas and Webhook

- The Ecommerce website initiative involves developing a platform where users can sign up/sign in, view products, add items to their cart, and place orders. Additionally, administrators have the capability to manage products by adding, editing, and removing them from the site

Skills Used : Django Rest framework

Date :

Place :

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