SIVA KUMAR

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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.

TECHNICAL SKILLS

Python	FastApi	HTML,CSS & Javascript basics
Large Language Models (LLM)	Numpy & Pandas	ServiceNow (Pursuing)
MySQL Database	Langchain,Ollama & ChromaDB	Git & Github

PROFESSIONAL SUMMARY

- Working experience with **Software Development Life Cycle (SDLC)** like Requirements Gathering, Analysis, Design, Coding, Testing, Deployment and Maintenance of the application.
- Actively gaining expertise in **ServiceNow** *development.*Interested in leveraging ServiceNow to optimize business processes and enhance system integrations
- Experienced in working with **LLMs like Llama 3.1, Gemma 2, and Mistral,** combined with **ChromaDB and LangChain** to build multi-file Q/A systems using **RAG**. Skilled in optimizing retrieval and response accuracy for AI-driven applications

PROJECTS

RAG Chatbot

  Skills Used   :   *Python,Langchain,LLMs,ChromaDB,MongoDB*

- Designed and developed a chatbot system to streamline customer support, file processing, and query resolution, enhancing user engagement. Leveraging RAG technology, the system integrates AI, vector storage, and databases to deliver efficient support, seamless data management, and improved operational performance.

1 Office Portal Management

  Skills Used   :   *FastApi,Opencv,Swagger,Git&Gitlab*

- 1 Office Portal Management streamlines HR processes with features like facial recognition-based attendance, team-centric task management, and asset tracking. It enables seamless payslip retrieval, categorized report downloads via MIS, and efficient ID management. The system also simplifies leave and permission requests, improving workplace productivity.

Integrated Excise Supply Chain Management Sysytem (IESCMS)

  Role Played   :   *Manual Testing & Production Support*

- IESCMS manages user licensing, SCM production, and track-and-trace, ensuring seamless tracking from manufacturing to retail sales.

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EXPERIENCE

- Working as a Developer at Oasys Cybernetics Pvt. Ltd., Chennai, specializing in software solutions and development.

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EDUCATION

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

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RELEVANT SKILLS AND PROJECTS

- Enhanced an Excel-based deduplication system by integrating random data generation, accuracy checks, and duplicate detection using *Levenshtein*. Automated duplicate handling for 200,000 records with *Selenium, FuzzyWuzzy, and Jinja2*.
- Developed 1 Analytics, a web-based data analytics tool with a chatbot for interactive insights. Built with Rasa, it processes user queries dynamically using *FastApi, Matplotlib, Pandas, and Webhooks*.
- Managed a 120M-record airport dataset using *Amazon S3 for storage and EMR for processing*. Utilized *PySpark* for data cleaning, analysis, and transformation, with results stored in *AWS RDS* for structured access.

CERTIFICATION AND INTERNSHIPS

- Big Data & Data Analytics from AADROSE INFOTECH,Trichy
- Web Development Bootcamp ,Summer Internship,Trichy

PUBLICATIONS

- "Enterprise Email Server Data Protection Using Geofence Technology and Machine Learning," published in IEEE Xplore. Successfully developed and implemented the project as part of my final-year research