

Sai Lakshman Sakhamuri

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SUMMARY

- Over 5+ years of experience as a Full Stack Software Engineer in all phases of SDLC such as planning, UI, UX, analysis, design, implementation, testing, debugging, Front End, back-end, Cloud, micro-services, continuous improvement, CI/CD pipeline maintenance web based, client-server and N-tier architectures in domains like healthcare, Bio-technology industry etc.
- Created pipelines to sync the data from OLTP to Delta Tables and worked on creating Salesforce workflow as well.
- Extensive knowledge in understanding and working with data structures and algorithms, object-oriented design concepts with strong communication, Collaboration, and problem-solving skills.
- Actively worked in an Agile software development environment which utilized the Scrum process.

EDUCATION AND HONORS

University of Memphis

Memphis, TN

Master's in Computer Science

Dec 2022

- Cumulative GPA: 3.6/4.0.
- Relevant Coursework: Machine Learning, Data Science, Advanced Statistical Learning, Artificial Intelligence, Probability, Data Mining and Natural Language Processing (NLP).

Jawaharlal Nehru Technological University

Hyderabad, INDIA

Bachelor's in information systems.

April 2016

- Cumulative GPA: 3.8/4.0.

SKILLS

- **Programming Languages:** .NET, Java, Python, R, JS, NodeJs, JavaScript, React, HTML, CSS, Angular, TypeScript.
- **Database:** MySQL Server, NoSQL Database, Cosmos, MongoDB.
- **Miscellaneous Technologies:** GIT, OOPs, REST API, SOAP, Spring Boot, Apache, Spring, Confluence, JIRA, AWS, microservices, design patterns, Json, Docker, Kubernetes, Kafka, MVC, Azure, GCP, Azure DevOps, Maven, Jenkins, Spark, Mockito, Junit, TDD, Terraform, networking, Information Technology, Computer Engineering.

PROFESSIONAL EXPERIENCE

UWORLD, LLC

Texas, TX

Software Engineering Internship

May 2022 - Aug 2022

- Developed Salesforce workflow which contains orders, contacts, and subscription details, which runs the job every 24 hours to ingest the data into delta lake tables from OLTP, then process to salesforce by calling API.
- Created a data pipeline to sync the data from faculty portal to learning platform which will ingest data into delta lake tables from OLTP.
- **Impact** Developed a new library for sending emails to customers which improved the performance by 20%.

ACS Solution

Hyderabad, INDIA

Software Development Engineer

May 2018 - July 2021

- Led a team of 6 people to manage, operate, assign tasks, and review the code.
- Designed and built service APIs for CareATC that let the patients view and keep a track of their previous health checkups, patients can also book appointments as well.
- Introduced mechanism to send email notifications to both existing and new patients.
- Involved in designing distributed systems Software architecture, documentation, worked on automated testing, unit tests for the application and performed code reviews for my peers.
- **Impact** Increased server query response time by 25% after restructuring API.

G7CR Technologies India Pvt Ltd

Bangalore, INDIA

Software Development Engineer

April 2017 - May 2018

- Collaborated with the Manipal Hospital Team to build the ticketing tools to collect feedback from the patients and assign the tickets to concerned health care department people.
- Built a project for sending daily reports to each department of the hospital which includes appointments, open, closed and resolved ticket details.
- **Impact** Improved the performance of sending mail API by creating a web job and altered the stored procedure in SQL.

MyClassboard

Hyderabad, INDIA

Software Development Engineer

April 2016 - April 2017

- MyClassboard is a complete solution for the online needs of an educational institution increasing connectivity and enhancing stakeholder communication.

- Involved in designing web pages and creating service APIs for fetching student details and worked on the parent-teacher module development.

PROJECTS AND LEADERSHIP

Teaching Assistant

Memphis, TN

Managing Software Development (University of Memphis)

January 2022 - Current

- Teaching Managing Software Development and Business Intelligence course for undergraduate students at university of Memphis for more than 50+ students.

Graduate Research Assistant

Memphis, TN

Conflict Resolution (University of Memphis)

January 2022 – May 2022

- Worked on solving the conflict-based resolution problems which will be based on Probabilistic Reasoning, logic-based reasoning using Probabilistic object-oriented programming.

Academic Projects

Memphis, TN

Visualization

January 2022 - Current

- Started working on visualization of datasets using deep learning and recurrent neural network models which includes RNN and LSTM.

Search Engine

August 2021 - December 2021

- Whenever a user searches his query, the search engine displays the top 100 results using the rank function from the available 10000 pages using the concept of tf, idf, cosine similarity and inverted index algorithm.