

VENKATARAMANAN SUNDARESAN

DATA ENGINEER

ABOUT ME

Data Engineer with good knowledge of building robust machine learning models. Swift to get meaningful insights from the data and design models accordingly to meet the project requirement. I am seeking to expand my knowledge horizon with new challenges. Creating machine learning models and retraining systems and transforming data science prototypes into production-grade solutions. Consistently optimizes and improves real-time systems by evaluating strategies and testing changes. Consistently employs statistical methods and designs to yield real gains from model changes.

WORK EXPERIENCES

DATA ENGINEER

Larsen & Toubro Infotech | October 2020 - Present

- Developed Custom NER models based on Spacy architecture to identify the presence of sensitive data elements and their corresponding keywords in the documents and similar unstructured data formats
- Built a classification model to identify the domain category of the document based on the content in it. Employed data cleansing methods, significantly enhancing data quality. Also extended support for image classification with the help of OCR models
- Implemented a layer-by-layer approach for the identification of the sensitive PII elements in the structured data. Created and applied separate classification models for metadata and columnar data based on the prediction result of the former model. With this approach, the performance and accuracy were improved considerably when compared to the primitive approach
- Developed an NLP-based approach for suggesting keywords to help the user when they are trying to add a new data element or update an existing one
- Designed and built an end-to-end application for Snowflake cloud governance. The application monitors the daily account activity and gives a summary report of all the happenings, right from security to credit consumption, and mails the report to the Account admin every day or based on their desired frequency
- Contributed to the development of a Data migration tool from SAP Hana to Snowflake scripts. The tool helped in the smoother and hassle-free conversion of SQL scripts and has reduced a considerable amount of manual effort.
- Worked under Agile methodology and used Azure DevOps for maintaining the project.
- Acted as a product engineer in a client PoC and was responsible for all migration and validation for the migrated data.

CONTACT

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EDUCATION

BACHELOR OF ENGINEERING (ECE)

Sri Venkateswara College of
Engineering | 2016 - 2020

- Secured First Class. (7.56 CGPA)
- Organized technical symposium and mentored juniors in ideation and completing their projects.
- Won Bronze medal representing college Hockey team.
- Won Best Cadet of the year award and several medals in NCC events in college and camps.
- Organized and participated in more than 30 awareness programs.

LANGUAGES

English
Tamil

SKILLS

- Python
- SQL
- Data Visualization
- Predictive modeling
- Computer Vision
- Classification Algorithms
- Explanatory analysis
- Regression
- Web Scraping
- Natural Language Processing
- Flask
- Angular
- HTML
- JavaScript
- CSS
- MySQL
- Git
- Postman

COMPETENCIES

- Data analysis
- Machine learning
- Excellent Communication
- Flexible and Adaptable
- Interpersonal Communication
- Planning and Coordination
- Multitasking Abilities
- Agile