

SRAVAN KUMAR

Data Scientist

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SUMMARY

A Passionate Data Scientist having knowledge in creating data ingestion pipelines, Predictive modeling, Data pre processing, Machine learning, Deep learning, Computer vision, Natural Language Processing to solve challenging business problems.

EDUCATION

2011 - 2015

Bachelor of Technology

Jawaharlal Nehru Technological University Hyderabad

CERTIFICATIONS

- MLOps Certification from Psitron Technology Private Limited.
- Python Professional Certification from Programiz.pro.

EXPERIENCE

2021 - Present

India

Data Scientist

Accenture

Accenture is an Irish-American professional services company based in Dublin, specializing in information technology services and consulting.

- HireRight is the client, It is a world's largest global provider of background screening solutions, helps organizations of all sizes to hire the right people for the right opportunities. Developed AI models to identify whether a person is fake or not.
- Text Classification Models:**
Created Kafka Data Ingestion pipelines using Pyspark.
Developed multiple text classification models using sentence transformer and hugging-face library.
Used unsupervised method to cluster the data points for the classification model.
Iterative Improvement of the model, by analyzing the mismatches and removal of noisy data points.
Developed dashboard to visualize the metrics of the text classification models.
Integrated MLflow framework into the Machine learning pipelines.
- Resolve Identity using Embedding:**
Developed a new approach to resolve the identity of the person's profile using basic PII attributes.
Cleaning of training data, exploratory data analysis and data discovery.
Developed classification model to match person's profile from the vendor returned profiles using hugging face embeddings.

2020 - 2021

India

Machine Learning Engineer

Cognizant

Cognizant is an American multinational information technology services and consulting company.

- Verizon is the client, it is an American telecommunications company which offers mobile wireless products and services. Verizon Wireless is the first largest wireless telecommunications provider in US.
- Invoice Fields Extraction:**
Developed NLP model using transformers and LayoutLM to extract the entities from the invoice.
Extracted OCR bounding box information for each line from the image using Pytesseract.
Created label mapping file and appended bounding box information.
Tokenized the dataset and applied state of art models like transformers and Layout LM models.
Created Kubernetes cluster to deploy and manage the models.

2018 - 2020

India

Python Developer

Infosys

Infosys Limited is an Indian multinational information technology company that provides business consulting, information technology and outsourcing services.

- Verizon is the client worked for VEHS(Vision Error Handling System) application. VEHS is a error handling system. Helps to reprocess the accounts which rejected by Vision(Billing system).
- VEHS has two modules M1 and M2. M1 reads the Vision Rejected files and collects the rejected accounts. M2 takes error accounts collected by M1 and regenerates input files by removing error accounts which will sent back to Vision for Rebilling.

EXPERIENCE

2017 - 2018

India

Java Developer

IBM

IBM is an American multinational technology corporation headquartered in Armonk, New York and present in over 175 countries. IBM is an American multinational technology corporation headquartered in Armonk, New York and present in over 175 countries.

- FMS is the client.FMS Wert management is a German Bank was founded in 2010 as the Federal government's winding-up institution for the nationalized Hypo Real Estate Holding AG (HRE Group) with the aim of taking over risk positions and non-strategic operations from the HRE Group.
- In the Bank we have several upstream systems like MDS, Summit, SAP and Downstream system as DWH (Data Ware house). INS is the middle ware system which transforms data from upstream systems to Downstream systems. Worked on couple of projects to make the data delivery changes.

TECH SKILLS

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| Data Science | Machine Learning | Deep Learning | NLP | Python | Pyspark | Tensorflow | Keras | | |
| Pytorch | MLops | MLFlow | Kafka | Elastic Search | Docker | Kubernetes | FastApi | Git | Jenkins |
| SQL | Oracle | Mysql | MongoDB | Postgre SQL | | | | | |
| GoogleCloud | AWS | Azure | | | | | | | |
| Java | Spring | Spring Boot | MicroServices | WebServices(Soap - Restful) | | | | | |

ACHIEVEMENTS

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| <div><div></div><div>CAREER SNAPSHOT:</div></div> <ul style="list-style-type: none">◆ A competent professional with 5+ years of experience.◆ Experience in building models using Artificial Intelligence, Machine Learning, Deep Learning, Recurrent Neural Network, Computer vision, NLP and Python.◆ Extensively worked through the phases of creating data ingestion pipelines, Model Life Cycle such as Data Preparation, Exploratory Data Analysis, Model Training, Performance evaluation, and Productionizing.◆ Worked on setting up ML Flow to manage the machine learning model lifecycle.◆ Created Kafka ingestion pipelines using Pyspark to read messages in 24/7 streaming mode and write to Delta Lake storage layer.◆ Hands on experience with AWS Services such as EC2,inc RDS, S3, Athena, Sagemaker,Glue,SSM etc. | <div><div></div><div>CAREER SNAPSHOT</div></div> <ul style="list-style-type: none">◆ Having hands on experience in creating and managing DataBricks clusters and creating job clusters which helps to reduce the cost.◆ Extensively worked on version control and Continuous integration tools Git,Jenkins.◆ Having experience on different types of Machine Learning Algorithms such as KNN, XGBoost, Random Forest, Naïve Bayes, Linear Regression, Logistic Regression, Support Vector Machine etc.◆ Worked on performance evaluation techniques such as creating confusion matrix, Accuracy, Precision, Recall, R2,RMSE etc.◆ Having experience in using Google cloud, Aws,Azure.◆ Having experience on containerized deployment approaches such as Docker, Kubernetes.◆ Having Experience in creating transformation scripts to build Dashboards using Google studio and Grafana. |
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LANGUAGES

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| English | Proficient | <div><div></div><div></div><div></div><div></div><div></div><div></div></div> | Telugu | Native | <div><div></div><div></div><div></div><div></div><div></div><div></div></div> | Hindi | Intermediate | <div><div></div><div></div><div></div><div></div><div></div><div></div></div> |
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