

Sarang Kulkarni

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Experience

Data Scientist

May 2024 – Jan 2025

701x

- Built and maintained a CICD ML pipeline leveraging docker, kubernetes and Azure ML resulting in reduced downtime.
- Performed advanced EDA on IMU and health sensor data using Python (pandas, numpy) and Seaborn, identifying key patterns and correlations. Effectively communicated findings through data visualizations and tailored presentations for non-technical stakeholders.
- Developed ML model for livestock activity classification using Python and Tensorflow thereby achieved 80% accuracy(precision).
- Developed dashboards using Tableau addressing stakeholders, marketing team with KPI's which increased product sale by 78%

Data Scientist

Aug 2019 – Aug 2023

FIS Global

- Built and maintained multiple ML pipelines using docker and kubernetes along with AWS AI/ML and Azure Machine Learning
- Developed Machine Learning model for credit underwriting process using Python and Tensorflow reducing manual workload by 73%
- Automated the extraction and processing of large datasets from legacy systems using SQL and VBA scripts which saved 20 hours per week
- Successfully transferred millions of data from legacy system to new system using ETL Tools, advanced SQL queries, thereby leveraging Excel for data reconciliation ensuring complete data transfer.

Skills

Technology: Python, R, Tableau, Power BI, Machine Learning, Deep Learning, Regression Analysis, SQL, ETL, Cloud Infrastructure (Azure, AWS, GCP), Docker, Kubernetes, MLFlow, Vertex AI.

Engineering & Project Management: JIRA, Service Now, Agile Methodology, Sprint Planning

Projects

Calving Detection

- Successfully detected calving in cows 2 weeks before actual calving date using ML and applied quantization using Tensorflow for efficient deployment

Speech Emotion Recognition

- Spearheaded real time emotion detections from speech using raw audio files and designed a neural network classifying 6 emotions.

Autonomous vehicle safety system

- Determined whether a person has a control over his car by calculating steering torque resistance and applied deep learning to detect the person's awareness.

Education

University of Michigan

Aug 2022 – April 2024

MS in Artificial Intelligence

University of Pune

Aug 2017 – May 2021

B. Eng. in Computer Engineering