

Akshaya H

✉ akshaya.hariharan1105@gmail.com

☎ 9003071071

📍 Chennai

in akshayahari

SKILLS

Machine Learning

MLOps

CI/CD

Compute Vision

Data Analysis & Visualisation

Azure ML

Azure DevOps

SQL

Excel

PowerBi

Python

Git

Scikit-learn

PROJECTS

Semantic Search

Implemented Hugging Face's sentence transformer and FAISS-based semantic search model in the internal application, enhancing data accessibility, informed decision-making, and valuable insights extraction from past retail projects

PROFILE

Data Scientist with 3 years of experience in building end-to-end machine learning pipelines, designing and developing scalable MLOps framework using Azure services. Possess unbridled enthusiasm for machine learning concepts and receptive to new ideas. I aim to utilize my extensive analytical capabilities, programming expertise, and research background to effectively address complex issues and generate valuable insights.

PROFESSIONAL EXPERIENCE

Latentview Analytics

Senior Data Analyst

October 2022 – present | Chennai

Data Analysis

- Employed Databricks SQL for extensive spend data transformation, validation, and cleaning for a Fortune 500 software client, established a single source of truth, empowering the marketing team with streamlined decision-making capabilities.
- Performed in-depth new user cohort and journey analysis to evaluate quarter-to-quarter order trends and their impact on conversion rates, providing critical insights for optimizing million-dollar campaign strategies

MLOps Framework

- Implemented MLOps framework, streamlining deployment for small to medium-sized Python models, reducing the deployment time by 90%
- Spearheaded client interactions to gather requirements, ensuring alignment between ML solutions and business objectives
- Utilize the developed framework to create an end-to-end machine learning pipeline using Azure ML along with seamless CI/CD integration using Azure DevOps to deploy the estimated customer delivery date model for a retail company
- Explore Ray, Spark, and Dask to efficiently scale the preprocessing of extensive datasets within the framework, optimizing data processing capabilities for enhanced performance and scalability.

Gen AI E-mail Compose

Played a key role in a team project to develop an AI-powered, hyper-personalization tool leveraging GPT-4 for generating emails to leads, resulting in improved conversions and reduced turnaround time

CERTIFICATES

- Machine Learning Engineering for Production (MLOps) Specialization, Coursera
- Python for everybody specialization, Coursera
- GCP learning path, Cloud Academy
- Data Visualization and Communication with Tableau, Coursera
- Introduction to Data Analysis Using Excel, Coursera

EDUCATION

Bachelor of Engineering, Electricals and Electronics, Sri Venkateswara College of Engineering, Chennai
2016 – 2020 | Chennai
(GPA: 8.9/10)

LANGUAGES

English

Hindi

INTERESTS

Singing, Sketching, Painting

Data Analyst

September 2020 – September 2022 | Chennai

MLOps Framework

- Explore open-source tools like BentoML, MLflow, Docker, etc., for enhancing the flexibility of the framework
- Architect and develop a scalable, reliable, and flexible framework to productionalise machine learning models using Azure
- Hands-on-experience in Azure ML, Azure DevOps, Git, MLflow, Docker, Databricks, ADF, BentoML, Data drift detection, and Feature Store concepts

Appaseament Reduction

- Analyze and extract data using NLP and implemented a CatBoost regressor model through Azure ML to reduce the appeasement amount by 20% based on customer segments

Object Detection

- Research and orchestrate different object detection algorithms YOLO-V5, FastRCNN, Azure automl to generate image tags for the retail industry
- Generate and label image dataset, developed the model in YOLO-V5 with 92% precision, and operationalize it using Azure ML

Image Similarity

Designed a recommendation system based on image similarity, utilizing embeddings extracted from the object detection model. Efficiently recommended objects with similar attributes through the FAISS similarity search library, resulting in 7% increase in the click-through rate

Web Application

Built an intuitive search application to identify talents within the organization based on skill set using ASP .NET core 5.0, Angular 11, CSS, Docker