**Shrinivasa PH**

**Data Science Professional**

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**Professional** **Summary:**

Experienced Finance, Compliance & Data Science professional with close to 8 years in roles involving process optimization, semi-automation, and data-driven decision-making. Skilled in Machine Learning and Artificial Intelligence (AI & ML), with hands-on project experience and a strong foundation in Python, SQL, and data visualization tools.

### **Key Skills:**

* **Programming:** Python and SQL.
* **Machine Learning:** Linear & Polynomial Regression, classification, Ensemble modelling and Clustering.
* **Deep Learning & Artificial Intelligence:** ArtificialNeural Network, Transformers, Natural Language Processing (NLP), Transfer Learning.
* **Visualization & Analytics:** Tableau, Advanced Excel.

### **Professional Experiences:**

**Experience 1:**

**Prod Compliance Associate (Restricted Product Operations)**Amazon, Bengaluru  
January 2018 - December 2023

* Played a pivotal role in bring-in semi automation mechanisms on regulatory compliance of products on amazon website, based on predefined rationale.
* Implemented ML clustering models, increasing product classification accuracy by 15%.
* Extracted business insights through SQL and Tableau, inferencing & highlighting key factors & strategies in the process.
* Developed Python and VBA based semi-automation tools, reducing manual hours of recurring reporting-tasks by 20%.
* Spearheaded the launch of the Query Management System (QMS), a tool which addressed the ambiguities among associates & legal teams in terms of rationales, cutting query backlog by 60%.

**Experience 2:**

**Senior Financial Associate - (O2C - Order to Cash)**DXC Technology, Bengaluru  
May 2015 - January 2018

* Managed cash application processes, documenting inbound payments against customer credit purchases.
* Accurately documented remittance-advices for inbound payments on multiple invoices.
* Supervised critical activities on monthly, quarterly and year-end book closures while reconciling accounts with 100% accuracy.

**Project Transition at DXC Technology - (Ukraine - Onsite)**

* Conducted international process-transition projects from Ukraine and Romania marketplaces, completing knowledge transfer, training, documentation and implementation within a 7-month timeframe.
* Authored comprehensive SOP documents on the projects and validated from the higher leadership.
* Trained internal teams on the newly conceived projects and onboarded them successfully.

### **AI and ML Projects**

* **NLP Based Text Summarization:**

Built a WebApp for abstractive text summarization using Hugging Face’s BART model. The app supports summarizing plain text, URLs, and PDF documents. Deployed on Streamlit using Python, Transformers, trafilatura & fitz.

**Link**: <https://summarizer-phs.streamlit.app/>

* **Economic Clustering ML Model:**  
  Developed a WebApp to cluster global economic scenarios based on socio-economic conditions using K-Means, DBSCAN & GMM clustering techniques. Used various evaluation metrics like Elbow and Silhouette scoring to choose optimal clusters, and visualized results using PCA and Seaborn.

**Link**: <https://phs-countrycluster-ml.streamlit.app/>

* **Regression Based Used-Car Price Prediction:**  
  Built and deployed a regression model using regression techniques to predict car resale prices. Integrated the model into a Streamlit web app with a clean UI for users to test the app in real-time.

**Link**: <https://dphscarpredpy.streamlit.app/>

**Education:**

B.Com – Sarvodaya First Grade College, 2014

Data Science & Machine Learning – Scaler EdTech, 2025