Shrinivasa PH

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Portfolio: https://shrinivasaph.github.io/

Professional Summary:
Experienced Finance & Compliance professional with close to 8 years in roles involving process optimization, semi-automation, and data-driven decision-making. Skilled in Data Science, 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:

- **Analytical Tools:** Python, SQL, Tableau and Advanced MS Excel.
- **Statistical Knowledge:** Hypothesis Testing, Z-Test, T-Test, Chi-Square Test, ANOVA, Kurskal-Walis Test, Shapiro-Wilk Test, Levene Test, Komlogorov-Smirnov (KS) Test, Correlation, Covariance, A|B Testing.
- **Machine Learning:** Linear & Polynomial Regression, classification, Ensemble modelling and Clustering.
- **Deep Learning & Artificial Intelligence:** Artificial Neural Network, Transformers, CNN, Natural Language Processing (NLP), Computer Vision (CV), Transfer Learning and basics of Prompt Engineering (using OpenAI & Llama).
- **Cloud:** AWS and Azure

Professional Experiences:

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

- Played a pivotal role to curate semi-automation mechanisms on regulatory compliance of products on amazon website.
- 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 Query Management System (QMS), a tool which addressed the process ambiguities among associates & legal teams in terms of predefined rationales, resulting in a reduced query backlog by 60%.

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 financial book closure activities and reconciliation of accounts with 100% accuracy.

Project Transition & People Management at DXC Technology - (Ukraine - Onsite)

- Conducted international process-transition projects from Ukraine and Romania marketplaces (onsite), 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 and supervised internal team members on the newly conceived projects and onboarded them successfully.

AI and ML Projects

- **BART LLM - 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/

- **Text-to-Speech (Hindi) – Azure Cognitive Services - Web Application:**
  Built an interactive web app using Streamlit and Azure Cognitive Services that converts Hindi text into natural-sounding speech, featuring real-time audio generation, voice customization, and download functionality, while showcasing end-to-end application development with cloud-based AI services.
  Link: https://github.com/ShrinivasaPH/Azure-Neural-TTS

- **Clustering - Economic 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 - 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