

# Shrinivasa PH

Email: [shrinivasaph@gmail.com](mailto:shrinivasaph@gmail.com) | Phone No: +91-9740085757 |

LinkedIn: [linkedin.com/in/shrinivasa-ph-bb96a31b5](https://linkedin.com/in/shrinivasa-ph-bb96a31b5) | GitHub: <https://github.com/ShrinivasaPH>

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

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## Professional Summary:

Experienced Finance & Compliance professional with close to 8 years of experience in roles involving process optimization, semi-automation, and data-driven decision-making. Currently working as a Data Science & Data Analytics Trainer at ACTE Technologies, delivering hands-on training in Python, SQL, Machine Learning, and core data science concepts. Skilled in Data Science, Machine Learning, and Artificial Intelligence (AI & ML), with strong practical project experience and a solid foundation in analytics and 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's 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:

### CSR Impact Assessment - Freelance

Sattva Media & Consulting PVT LTD, Bengaluru  
January 2025 – Present

#### Rotary International - Tech Lab - Qualitative & Quantitative Data Collection

- Interviewed the students, teachers and parents to collect quantitative and qualitative aspects.
- Delivered the comprehensive report highlighting project effectiveness, beneficiary feedback, and recommendations for improvement.

#### ZScalar – Cop Connect Café - Qualitative & Quantitative Data Collection

- Conducted quantitative interview to study the impact of Cop Connect Café in preventing and assisting beneficiaries who are vulnerable fall into the trap of cyber-crime.
- Conducted qualitative interview with actual victims to understand their case and reported the insights to Sattva for further study and reporting to the funding organization.

#### **Sambhav Foundation - WASH - Qualitative & Quantitative Data Collection**

- Conducted survey at the designated government schools to assess the impact of the WASH facilities that were set up by Oracle as part of their CSR Project.
- Interviewed students, parents, teachers, program-implementors and the HMs of various government schools across Bangalore to understand the quantitative and qualitative impacts of the project in terms of hygiene, infrastructure-integrity, resource-availability and sustainability.
- Worked as a coordinator between the program-implementing organization, beneficiary schools and the freelance data collectors to orchestrate and monitor the impact assessment project.
- Reported the findings, insights and recommendations to Sattva for further analysis and reporting to the funding organization.

#### **Sewa international - WASH - Qualitative & Quantitative Data Collection**

- Conducted interviews with students, teachers, program-teams and HM of various government schools across Bangalore to understand the qualitative and quantitative impacts of the WASH projects implemented by Sewa International.
- Worked as a coordinator between the program-implementing organization, beneficiary schools and the freelance data collectors to orchestrate and monitor the impact assessment project.
- Collected the data in terms of Hygiene, Infrastructure-provision, resource-availability and sustainability and reported the findings and insights to Sattva for further analysis and reporting.

#### **UNHCR - Cash Based Intervention (CBI) - Quantitative Data Collection**

- Conducted virtual interviews with various Rohingya nationals on refuge/asylum in India to understand their current social & financial status after being benefitted from UNHCR's Cash Based Intervention (CBI).
- Collected quantitative data from the beneficiaries of CBI, in terms of effectiveness of this project by UNHCR.

#### **Sr. 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-advice 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, trafiletura & 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