JAYESH BHADANE

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EDUCATION

University of Connecticut, Master of Science, Data Science, GPA: 3.95/4 — August 2024
Coursework Includes: *Applied Statistics, Statistical Computing for Data Science, Applied Time Series, Research Design and Measurement for Data Science, Data Visualization and Communication, Data Mining and Management, GenAI.*

University of Mumbai, Mumbai, Bachelor of Engineering, Computer Engineering, GPA: 7/10 — October 2020

TECHNICAL SKILLS

Languages: Python, R, SQL | **Dashboarding tools:** Tableau, Power BI | **Cloud**: AWS, Azure
Skills: Statistics**,** Machine Learning, GenAI, Time-series Forecasting, A/B Testing, NLP, PCA, Experimentation
Python Libraries: NumPy, Pandas, scikit-learn, SciPy, Matplotlib, PyTorch, TensorFlow, HuggingFace, Transformers

RELEVANT EXPERIENCE

Course5 Intelligence Pvt. Ltd. – *Sr. Data Scientist, Research and Analytics,* Navi Mumbai, India — Oct 2020 - Aug 2023
- Optimized a Python script for response level data aggregation, enhancing predictive analysis and decision-making while reducing manual stacking efforts for the data processing team by 85%
- Spearheaded a two-member team to increase customer engagement by a key driver model, driving both engagement and revenue by 18% using IBM SPSS and R
- Employed factor analysis to merge multiple variables, streamlining segmentation and bolstering marketing strategies
- Engineered and prepared clinical and healthcare data for CHAID tree analysis, enhancing insights into customer satisfaction and recommendation likelihood across various groups
- Designed and executed behavioral and attitudinal segmentation using Python, enhancing client's marketing strategy by identifying key consumer clusters. Experimented with diverse metrics, algorithms and multiple variables for precise targeting, resulting in a 26% increase in targeted marketing efficiency
- Conducted a 2-tailed Z-test to assess significant differences among clusters and developed an Excel-based classification tool post-segmentation to accurately classify respondents into clusters, enhancing analytical accuracy and contributing to strategic decision-making processes
- Implemented Granger causality and VARMA models to forecast OTT signups, enhancing prediction accuracy by 15%, optimizing marketing spend, and increasing quarterly revenue by 12%
- Led training for junior staff on POC projects, empowering them to independently manage future projects, enhancing team capability and project efficiency
- Fast-tracked promotion due to consistently delivered impact and leading creation of reusable assets for the team

ACADEMIC PROJECTS

Blog Summarizer using HuggingFace and Streamlit — April 2024
- Synthesized a blog summarizer with Hugging Face's AI, boosting content engagement by 40% and processing 500+ articles daily, integrated via Streamlit.

Application Tracking System — January 2024
- Generated a job-matching web application using Gemini Pro and Google API, integrated with Streamlit, to identify optimal job descriptions, highlight missing keywords, and provide concise profile summaries for users.

Traveler's Insurance (Kaggle Competition Challenge) — September 2023
- Led the team to secure first rank in Kaggle's predictive modelling competition by using the GLM and ensemble models to predict the claim cost for an auto insurance company.

ADDITIONAL INFORMATION

Accomplishments: Awarded Star of the Quarter twice at Course5 Intelligence for exceeding role expectations
Publication: Object Detection using Hausdorff distance
Course: Generative AI with Large Language Models offered by DeepLearning.Ai and Amazon Web Services