JOHN STEPHEN

Portfolio: https://john211998.github.io/Portfolio/

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EXPERIENCE

NOX OFFICIAL

Data Scientist | Mumbai, India

July 2019 – Nov 2021

- **Achieved** a 75% win rate and top-three finishes by optimizing strategies with classification reports and confusion matrices.
- **Increased** participant engagement by 30% and **boosted** viewership by 50% by orchestrating esports events and leveraging metrics such as RMSE and sentiment analysis.
- **Deployed** and **managed** containerized applications using Docker, ensuring seamless integration and scaling of services.
- **Enhanced** team performance by integrating advanced cloud deployment techniques and predictive metrics, leading to a 40% increase in operational efficiency and a 30% improvement in strategy accuracy. **Managed** a team of 10 and **streamlined** event strategies using ROC curves and average log loss.
- **Secured** sponsorships and **established** strategic partnerships by demonstrating performance and ROI with detailed metrics.

ALLEGIS GLOBAL SOLUTIONS

CRS/HR ANALYST | BANGALORE, INDIA

Nov 2021 – Mar 2023

- **Conducted** predictive analysis in recruitment using CRS insights and **Gradient Boosting**, enhancing candidate alignment.
- **Designed** a real-time dashboard integrating CRS insights with **Time-Series forecasting**, cutting time-to-hire by 25%, cost-per-hire by 20%, and **boosting** applicant conversion rates by 30%.
- **Created** Tableau dashboards for HR metrics, which **increased** stakeholder engagement by 30% and **enhanced** data exploration.

EDUCATION

B.Tech in Electronics and Communication Engineering (ECE)
Presidency University, Bangalore | 2020
Pre-University in Computer Science
Narayana Pu College | 2016
SSLC
United Public School | 2014

Projects

End-to-End Wine Quality Prediction with AWS EC2 Deployment and MLFlow Integration

- **Constructed** a machine learning pipeline for predicting wine quality, **achieving** 87% accuracy and **reducing** prediction errors by 15%.
- **Deployed** the model on AWS EC2, **cutting** response time by 25% and **ensuring** 99.8% uptime.
- **Integrated** MLflow for tracking experiments and managing models, **improving** reproducibility by 30% and **boosting** team productivity by 20%.
- **Implemented** CI/CD pipelines, **shortening** deployment time by 40%.

IMDB Recommendation system

- **Engineered** a Hybrid Recommendation System by combining content-based and collaborative filtering, **increasing** recommendation accuracy by 20%.
- **Optimized** data processing by handling missing values and type conversion, **reducing** dataset size by 15%. **Utilized** TF-IDF vectorization and the Surprise library, **reducing** computational overhead by 80%.
- **Developed** a recommendation system analyzing over 500,000 user interactions, **enhancing** suggestion relevance.

Generative AI-PDF Chatbot using CLAUDE 3

- **Built** a generative AI system with Claude 3 Haiku for querying complex PDF documents using Retrieval-Augmented Generation.
- **Blended** AWS Bedrock, Amazon Titan Embedding, and Langchain for efficient data processing and response generation.
- **Used** Docker for containerization and **managed** AWS IAM for secure operations, with source control **maintained** via GitHub.

SKILLS

- **Cloud Technology:** AWS, Google Cloud, Azure Cloud
- **Languages and Libraries:** Python (Pandas/NumPy/Matplotlib/MongoDB), Data Analysis (Tableau/PowerBI/Excel), PostgreSQL (Database Management) and Systems Design, Machine Learning Algorithms, Deep Learning, Artificial Neural Network, Keras, Scikit-Learn, NLP (Natural Language Processing), TensorFlow
- **Tools/Methodologies:** Jupyter Notebook, Spyder, GitHub, Google Collab, Docker
- **Generative AI:** Langchain, RAG, API, LLM, Prompt Engineering

Certifications

- Earned Skillovilla Certified Data Scientist accreditation.
- 4X Cisco Certified (Data Analytics Essentials,Python,Data Science Essentials).
- Oracle Generative AI Certified Professional.
- Engaged in and secured a Badge from the world's largest virtual software testing conference, hosted by Test Tribe.
- BCGX Data Science Job Simulation certificate program through Forage.