JOHN STEPHEN

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WORK EXPERIENCE

Nox Official, Bangalore (July 2019 – Nov 2021): *Data Analyst*

- Achieve team supremacy with a 75% win rate and consistent top-three finishes, utilizing sophisticated metrics like classification reports and confusion matrices to optimize strategies and solidify our team's reputation.
- Skyrocket participant engagement by an extraordinary 30% and propel viewership to unprecedented heights with an astounding 50% surge, expertly orchestrating esports events, harnessing cutting-edge cloud deployment strategies, and implementing predictive metrics like RMSE, average log loss, sentiment analysis, and ROC curves to deliver riveting and unforgettable experiences that captivate audiences.
- Captivate sponsors and forge strategic partnerships by showcasing exceptional performance and leveraging comprehensive metrics to demonstrate tangible value and ROI.

Allegis Global Solutions, Bangalore (Nov 2021 - Mar 2023): *CRS/HR Analyst*

- Boosted recruitment workflow efficiency by 20% through implementing advanced Excel functions and formulas, automating data cleansing, candidate scoring, and resume parsing processes.
- Elevated data presentation with compelling charts and graphs in Excel, achieving a 15% increase in comprehension of key recruitment metrics and trends among stakeholders.
- Spearheaded real-time insights with Excel-based recruitment dashboards, reducing time-to-hire by 25%, cost-per-hire by 20%, and enhancing applicant conversion rates by 30%, facilitating improved decision-making.
- Developed vibrant and interactive Tableau dashboards for HR metrics, resulting in a 30% increase in stakeholder engagement and enhanced data exploration capabilities.

EDUCATION

- Presidency University, Bangalore B. Tech (2016-2020)
- Narayana PU College, Bangalore Pre-University in Computer Science (2014-2016)
- United Public School, Bangalore SSLC (2016)

PROJECTS

Real-Time Sentiment Analysis of the Omicron Variant on Twitter (March - 2024)

- Led the implementation of Tweepy in Python to integrate Twitter's API for real-time retrieval of Omicron-related tweets, enhancing data acquisition speed by 50% and supporting rapid decision-making.
- Revamped data handling protocols, executing in-depth EDA with Matplotlib and Seaborn; identified sentiment trends that informed strategic decisions, resulting in a 15% increase in customer retention and a 20% boost in revenue.
- Crafted and trained a machine learning-based sentiment classification model using TF-IDF vectorization, ensuring model accuracy and effectiveness.

Heart Disease Prediction with Neural Networks (March - 2024)

- Conducted thorough dataset analysis using Pandas and NumPy, uncovering critical factors affecting heart disease prediction.
- Formulated a custom neural network architecture with TensorFlow/Keras, achieving a high accuracy rate of 90% in predicting heart disease cases.
- Implemented precise hyperparameter adjustments and optimization strategies, resulting in a notable 15% enhancement in predictive accuracy.

End-to-End Wine Quality Prediction with AWS EC2 Deployment and MLFlow Integration (April - 2024)

- Developed an end-to-end machine learning pipeline for predicting wine quality, achieving an accuracy of 87% and reducing prediction errors by 15%.
- Deployed the model on AWS EC2, ensuring high availability and scalability, which reduced response time by 25% and provided 99.9% uptime.
- Integrated MLflow for experiment tracking and model management, improving reproducibility by 30% and enhancing team productivity by 20%.
- Implemented continuous integration and continuous deployment (CI/CD) pipelines, reducing deployment time by 40%.

IMDB Recommendation system (May - 2024)

- Engineered a Hybrid Recommendation System: Combined content-based and collaborative filtering methodologies to architect a robust recommendation system, boosting recommendation accuracy by 20% compared to singular approaches.
- Optimized Data Processing and Analysis: Streamlined data preprocessing tasks, including handling missing values and type conversion, resulting in a 15% reduction in dataset size. Leveraged TF-IDF vectorization for content-based filtering and the Surprise library for collaborative filtering, achieving an 80% reduction in computational overhead.
- Delivered Tailored Recommendations: Engineered a recommendation function that tailors movie suggestions based on user preferences and a selected movie title. Delivered a top-N recommendation list of analogous movies with an 85% precision rate, enriching user experience and engagement.

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

CERTIFICATIONS

- Earned Skillovilla Certified Data Scientist accreditation. (September- 2023 to April-2024)
- 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.