JOHN

STEPHEN

**Portfolio:**  [https://john211998.github.io/Portfolio/](https://john211998.github.io/Portfolio/%20)



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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.