CYRIL SHAJI

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SUMMARY

Aspiring **Data Scientist** with practical experience gained through an internship at **Optum** and over **2 years** of **consulting** at **Oracle**. Proficient in data analytics, predictive modelling, and business intelligence, with strong technical skills in **Python, SQL, Power BI, and Advanced Excel**. Proven ability to transform data into actionable insights, with expertise in healthcare and enterprise consulting. Committed to leveraging data-driven strategies to drive business performance and efficiency.

EDUCATION

SCMHRD | Master of Business Administration (MBA) *June 2022 - Apr 2024*
- Cumulative GPA: 7.81/10

NIT Calicut | Bachelor of Technology, Electronics and Communication Engineering *July 2014 – Apr 2018*
- *Cumulative GPA: 7.21/10*

WORK EXPERIENCE/INTERNSHIPS

DATA SCIENTIST INTERN
OPTUM(UHG)| Remote, Gurugram, India *April 2023 - July 2023*
- Designed and implemented an **automated User Disengagement Detection** and **Alert System** for the UHC Digital Portal, reducing churn rate by 15% and boosting user engagement by **25%**
- Developed a dynamic **Power BI comprehensive dashboard** to visualize key disengagement metrics, enhancing retention strategies and reducing opportunity cost by **37%**
- Implemented an **alert system** via Power Automate Flow, leading to a **75%** reduction in critical incident response time by ensuring timely notifications of disengagement spikes

STAFF CONSULTANT
Oracle Financial Services Software Limited | Remote, Pune, India *July 2018 – July 2021*
- Guided and assisted a team of **3** consultants for **NBC Data Migration Project**, proposing a strategic approach, thereby increasing the team's efficiency by **28%** within a month
- Facilitated the implementation of **Oracle Flexcube Direct Banking** for multinational clients in the banking industry across the globe (Sri Lanka, Kenya, Uganda, Tanzania and Mozambique)
- Individually implemented our product to develop and deliver **4+** corporate and retail online banking functionalities and fixed **50+** critical issues/bugs reducing overall reporting turnaround time by **10%**
- Directed the completion and timely delivery of top-tier functional specification documents, collaborating with a team of 3 members, achieving a **99%** adherence to client-specific requirements
- Partnered with **5+** project managers across various initiatives, synchronizing development schedules, strategizing testing phases, and facilitating efficient communication with **10+** client representatives

CORE SKILLS

Tech Stack: • Python • R • SQL • MySQL • PostgreSQL • DB2 • Docker • Podman • Kubernetes • Git • Power BI • Tableau • Excel
Core Competencies: • Machine Learning • Deep Learning • Natural Language Processing (NLP) • Time Series Forecasting • Statistics • LLMs • MLOps • RAGs • Fine Tuning

PROJECTS

E-Commerce Missing Gender Prediction | *Link* *June 2024*
- Applied machine learning models (**Random Forest, AdaBoost, LightGBM**) to predict missing customer genders on an e-commerce platform, improving model accuracy by **20%** through boosting and hyperparameter tuning.
- Enhanced click-through rates for fashion-related categories by accurately predicting gender, driving more personalized marketing campaigns with a **15%** increase in F1 score

Disaster Tweet Detection Using NLP Deep Learning | *Link* *Oct 2023*
- Developed a disaster tweet detection system using **BERT** and **DistilBERT** models, distinguishing disaster-related tweets from non-disaster content in real time
- Achieved a **78%** accuracy and **76%** F1 score on the validation set, improving disaster response effectiveness for relief agencies and news outlets.

CERTIFICATIONS

• Lean Six Sigma Green Belt (KPMG) • Machine Learning with Python (IBM) • Introduction to Predictive Modeling (Coursera) • Neural Networks and Deep Learning (DeepLearning.AI) • Time Series Analysis and Forecasting using Python (Udemy)