AKSHAY DEORE

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PROFILE SUMMARY

- **Dedicated and focused Data Scientist/Data Analyst with 2 years of experience.** Proven ability to implement proactive strategies through data analysis and research. Expertise in developing models to optimize healthcare pathways.
- **Proven expertise in leading end-to-end product ownership, data analysis, validation, and visualization initiatives**, delivering actionable insights and solutions to stakeholders.
- **Skilled in leveraging advanced analytics, machine learning, and statistical modeling techniques** to extract meaningful patterns and trends from complex datasets.
- **Demonstrated ability to independently manage multiple projects**, ensuring adherence to timelines, quality standards, & client requirements. Strong client relationship & stakeholder management skills, fostering collaborative partnerships and driving cross-functional teamwork.

SKILLS

- **Technical Skills:** Python, SQL, Power BI,R, Pyspark, AWS, Azure.
- **Data Analysis and Modeling Skills:** Regression Analysis, Logistic Regression, Data Strategy, Data Modeling, Random Forest, Machine Learning, Data Visualization.
- **Project Management and Ownership:** Product Ownership, Report Production, Dashboard Management, User Activity Monitoring, Stakeholder Management, Client Interaction,Requirement Implementation
- **Data Management and Validation:** Data Cleaning, Data Preprocessing , Data Validation, Schema Design, Data Mapping, Data Analysis,Critical Thinking
- **Communication & Collaboration:** Client Relationship Management, Cross-Functional Collaboration, Teamwork, Event Management, Volunteerism

EXPERIENCE

Data Scientist | COURSE5I | DEC 2022 - Present

- Enhanced Search & Discoverability: Built NLP and classification models to optimize search functionality and improve user discovery of relevant content.
- Data Analysis & Visualization: Utilized statistical and analytical methods for data exploration. Created interactive dashboards with Power BI and R Shiny to communicate insights effectively.
- Time Series Forecasting: Developed and implemented forecasting models using ARIMA, SARIMA, LSTMs, and Prophet to predict future trends and patterns across various datasets.
- Market Mix Optimization & Dashboard Development: Employed machine learning techniques to build a market mix optimizer and created a Stream-lit dashboard for data visualization and decision support.
- Supply Chain Network Optimization: Leveraged data science methodologies to identify optimal combinations of suppliers and warehouses, ensuring efficient supply-demand management.
- Churn Reduction in Telecom Industry: Developed a Python-based churn prediction model using Random Forest and Logistic Regression. This model empowered the client to identify at-risk customers and implement targeted retention strategies, leading to significant churn reduction.
- Flood Mitigation Case Study: Contributed to a Gartner 2023 case study analyzing flooding patterns and exploring mitigation strategies using data science techniques.
- Large Language Model Proof-of-Concept: Co-developed a proof-of-concept (POC) utilizing Large Language Models to explore potential applications within the organization.

Analyst | Wafer Enterprises Ltd, UK | Mar 2022 - DEC 2022

- Analyzed demand data to optimize supply chain forecasting and strategy.
- Utilized Sage 300 ERP to enhance accounting processes, improve data accuracy, and generate comprehensive financial reports.

EDUCATION

Ulster University, Magee, UK   2020 - 2022
MSc Data Science with Applied Research

- Relevant modules: Data Science Foundations, Big Data, and Infrastructure, Business Intelligence,Data Validation and Visualization, Machine Learning and Data Modelling, Statistical Modelling and Data Mining, Research Masters Project.

Savitribai Phule Pune University (University of Pune), Maharashtra, India   2014 - 2018
Bachelor of Engineering in Computer Engineering

PUBLICATION

- Paper Title: Markov chain modelling and sandbox tool for redesigning dementia care pathway.
- Paper Title: "Implementation of Augmented reality to ease visualization of real estate firms."IJCRT, Volume: 6, Issue: 2, 01/05/2018.