

Karan Manoharan

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EXPERIENCE

Data Scientist(Contract)

Tenacium DC

June 2023 – September 2023, London

- Developed and launched an automated FluentD log collection workflow, improving data acquisition efficiency and accuracy by 30%.
- Orchestrated and executed robust ETL processes on large-scale energy datasets, utilizing Java to extract, transform, and load data into Matano. This effort laid the groundwork for in-depth analysis, ensuring a 25% improvement in data reliability and subsequent analytical endeavors.
- Led the implementation of stringent data quality checks and devised effective data cleansing strategies, enhancing data integrity by 20%. Employed the Darts Library in AWS SageMaker to craft and refine Time Series forecasting models with an accuracy rate of 85%.
- Conducted a thorough analysis assessing the impact of a 75% increase in electric vehicle adoption on the UK's energy infrastructure, delivering key strategic insights and actionable recommendations to fortify infrastructure readiness and resilience in anticipation of future consumption shifts.

Data Scientist

Everest Stabilizers

January 2022 – August 2022

- Redesigned exploratory data analysis to discover patterns and insights for developing new features that increased customer retention by 20%.
- Built a predictive maintenance model using machine learning algorithms, resulting in a 15% reduction in downtime and saving \$50,000.
- Analyzed customer data to identify key insights and trends, leading to the creation of targeted marketing campaigns that resulted in a 80% increase in customer acquisition and collaborated with cross-functional teams to build a recommendation system that enhanced customer satisfaction by 75 %.
- Spearheaded the development of a sales forecasting model using Time Series Forecasting, optimizing inventory management, and reducing stockouts by 20%.
- Utilized Python, R, Spark, and SQL to analyze vast amounts of data and compile user-friendly reports and implemented data engineering pipelines to build a unified data lake leading to the creation of automated dashboards and insights for business stakeholders.

Business Analyst

Rasha Petroleum

January 2021 – December 2021

- Pioneered in-depth market and data analysis, identifying and capitalizing on lucrative opportunities that led to the implementation of creative sales and marketing strategies, resulting in a 25% increase in market share and a 30% boost in revenue within a fiscal year.
- Created and leveraged strategic relationships with over 50 vital industry stakeholders and decision-makers, utilizing analytical insights to foster collaboration, secure 15 new growth opportunities, and facilitate the successful execution of 3 major sustainability projects.
- Led and executed 5 significant data-driven initiatives to diversify and optimize the company's product portfolio, integrating projects that not only aligned with sustainability goals but also underscored the company's commitment to innovation and efficiency in the Oil, Gas, and Petroleum sector, contributing to a 20% improvement in operational efficiency.
- Designed and implemented advanced business intelligence tools and analytical frameworks, providing critical insights and recommendations to senior management that enhanced strategic planning, and solidified the company's reputation as an industry innovator and leader.

Junior Data Scientist

Orkash Services

July 2020 – December 2020

- Prepared exploratory data analysis (EDA) and feature engineering, leading to improved model performance on over 5,000 data points and 10,000 records.
- Revamped a machine learning model that analyzes customer sentiment from online posts, providing valuable insights for product improvement.
- Initiated comprehensive project documentation and reports, effectively communicating findings and results to stakeholders and cross-functional teams, building dashboards and contributing to informed decision-making.

Business Development Specialist

Vaighunth Energy Tech

August 2018 – June 2020

- Established long-term relationships with existing clients by providing high-quality customer service, resulting in an increase of 2.7x in repeat sales.
- Generated leads and acquired new customers for clients, resulting in a 20% increase in revenue through upselling.
- Supported the design team in developing an energy-efficient fueling system brown gas generator and gasifier.
- Collaborated with stakeholders to establish project vision and scope and effectively communicated to the development and design team.

EDUCATION

Masters in Data Science and Analytics-CARDIFF UNIVERSITY

Bachelor in Computer Science Engineering-ANNA UNIVERSITY

SKILLS AND CERTIFICATIONS

Programming Languages: Python, R-Studio, C, C++ .**Tools and Visualization Libraries:** Pandas, NumPy, Sci-kit learn, Matplotlib, Seaborn, Pytorch, TensorFlow, Tableau. **Database and Cloud Computing Platforms:** MySQL, PostgreSQL, MongoDB, Amazon Web Services and Google Cloud Platform. **Core Skills:** Data Analysis and Visualization, ETL, Machine and Deep Learning, Predictive and descriptive Analytics, A/B testing, NLP, Sales and Marketing, and Agile Methodologies. **Big Data Technologies:** Spark. **DevOps & MLOps:** Docker, Kubernetes, CI/CD pipelines, Model deployment and monitoring. **Certifications:** Code Academy (Data Scientist Path), Google Data Analytics, Machine Learning by Andrew, Communication and Interpersonal Skills at work (Leeds University), Physical Computing (Lancaster University)