

Kirthik Ramadoss

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Experience

Data Analyst

NxVoy

London, UK 09/2024 – Present

- Orchestrated the development and optimization of ELT data pipelines using FiveTran and Snowflake, reducing data latency by 30% and ensuring robust, scalable ingestion for cross-functional reporting needs.
- Spearheaded the creation of modular DBT data models, streamlining analytical workflows and enabling a 40% faster turnaround for stakeholder insights across marketing and operations teams.
- Designed and deployed interactive dashboards in ThoughtSpot, empowering non-technical users to self-serve insights; resulted in a 50% reduction in ad-hoc reporting requests and saved approximately 15 hours per week for the analytics team.
- Led the analysis of multi-channel customer behavior data, uncovering key drivers of churn and boosting customer retention initiatives by 18% through data-backed segmentation strategies, translating to £1.2M in preserved annual revenue.

Data Analyst

DLK technology

chennai, India 02/2020 – 11/2022

- Engineered advanced forecasting models in Python using Prophet and XGBoost to predict product demand with 92% accuracy, improving stock allocation and reducing overstock by 15%, saving approximately \$350K in inventory costs annually.
- Automated key performance dashboards across BI and CRM systems, decreasing manual data processing time by 65% (from 25 to 8.75 hours weekly) and enhancing visibility for C-level decision-makers with near real-time metrics.
- Pioneered the integration of AI-powered analytics within ThoughtSpot, leveraging natural language queries and machine learning recommendations to increase dashboard engagement by 2.3x and expanding active user base from 35 to 81 users.
- Championed data democratization through tailored training sessions and documentation, equipping over 20 team members with the skills to interpret and act on self-service insights, resulting in 85% user confidence ratings post-training.

Education

Master's

University of Essex

Essex, UK 01/2023 – 02/2024

- MSC, Data Science and its application

Projects

- **Ecommerce AB Testing Dashboard & Experimentation Framework:** Engineered and implemented a comprehensive ecommerce experimentation ecosystem combining FiveTran data pipelines, Snowflake warehousing, and DBT transformations to create a self-service ThoughtSpot dashboard for real-time AB test monitoring, leveraging Python (statsmodels, SciPy) for statistical validation that increased test velocity by 43%, improved decision confidence by 87%, and reduced analysis time from 6 hours to 20 minutes per experiment while maintaining 99.5% data accuracy across 32 concurrent tests and delivering \$285K in incremental revenue through optimized user experiences.
- **Demand Forecasting & Inventory Optimization:** Architected and deployed an end-to-end demand forecasting system that reduced inventory holding costs by 23% (\$175K quarterly) while maintaining 99.2% product availability, leveraging Python (Prophet, TensorFlow, XGBoost, Pandas) for time-series modeling, Snowflake for data warehousing, Flask for API development, and AWS EC2 for scalable cloud deployment, resulting in a 17% improvement in forecast accuracy (MAPE reduced from 24% to 7%) across 1,200+ SKUs.

Skills

- **Languages & Frameworks:** Python, MySQL, Git, Data visualization, NumPy, R, Scikit-learn, Data cleaning, Data Analysis, ETL pipelines, API Integration, Dashboard Development, Data Governance, Feature Engineering, Self-Serve BI Enablement Statistical Testing, Agile Analytics, Version Control, API Integration, Time Series Forecasting, A/B Testing, Regression Analysis Attribution Modeling, Data Modeling, Causal Inference, Classification, Experiment Design, FiveTran, Flask, AWS.
- **Programming & Tools:** Power BI, Pandas, Seaborn, Tableau, Advanced Excel, Matplotlib, DBT, ThoughtSpot, Snowflake.
- **Soft Skills:** Cross-functional Collaboration, Communication, Problem-Solving, Attention to Detail, Stakeholder Management.

Certifications

- [Accenture](#) - Data Analytics and Visualization
- [Quantum](#) - Data Analytics, [pwc Switzerland](#) - Power BI
- [BCG X](#) - Data Science, [British Airways](#) - Data Science

Visa Status

Visa sponsorship not required, eligible to work in the UK without a VISA.