

Kabilan Ravichandran

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EDUCATION

University College Dublin

Master of Science in Business Analytics

Dublin, Ireland

Sep. 2024 – Aug 2025

Anna University

Bachelor of Engineering in Electronics and Communication

Chennai, India

Aug. 2017 – May 2021

EXPERIENCE

Senior Systems Engineer

Infosys Limited

April 2021 – May 2024

Chennai, India

- Monitored, optimized, and supported enterprise ETL workflows, ensuring accurate and timely data delivery across ~50 daily jobs with 99% uptime.
- Analyzed production issues, identified root causes, implemented fixes, reduced recurring incidents by ~20%, and maintained SLA compliance.
- Built and maintained 30+ ETL workflows using Autosys, Snowflake, Informatica, and Teradata to meet evolving business needs.
- Managed data replication into Teradata, Snowflake, and data marts on Oracle and Vertica, improving data availability by ~15%.
- Partnered with stakeholders to resolve data issues, implement compliance changes, and support upgrades with zero major disruptions.
- Reviewed 10+ releases, ensuring seamless integration and business continuity.
- Mentored and trained 5+ junior team members, delivering knowledge transfer sessions that reduced onboarding time by ~30%.
- Improved job performance and reduced failures by ~25% through proactive monitoring and maintenance.

PROJECTS

ESG Reporting for SME's(Microsoft Collaboration) / Microsoft PowerApps

June 2020 – Present

- Developed a low-cost, automated ESG reporting tool for SMEs by leveraging the Microsoft Power Platform (Power Apps, Power Automate, Power BI, and SharePoint).
- Built a custom Power Apps front-end to streamline data collection and a Power BI dashboard to provide real-time, interactive visualizations of ESG performance metrics.
- Automated the entire reporting lifecycle with Power Automate, from data entry and storage in SharePoint to the generation and email distribution of audit-ready PDF reports.
- The solution empowers SMEs to meet regulatory demands, enhance corporate transparency, and gain a competitive advantage without the high costs of traditional enterprise software.

Term Deposit Subscription Prediction / Python, Machine Learning

May 2018 – May 2020

- Built a predictive model to identify customers likely to subscribe to a term deposit, using a dataset of bank marketing campaign interactions with over 41,000 customers.
- Engineered key features using RFE and addressed severe data imbalance with SMOTE to prepare the data for modeling.
- Evaluated various machine learning algorithms, with the final Random Forest model achieving a weighted F1-score of 0.92, demonstrating strong predictive power for targeted marketing.
- Provided recommendations to stakeholders for optimizing marketing spend and personalizing customer outreach based on model insights.

TECHNICAL SKILLS

Languages: Python, SQL, Java

Frameworks: Scikit-learn

Developer Tools: Jupyter Notebook, Microsoft Excel, Snowflake, Teradata, UNIX, Kafka, Apache Airflow, Tableau, Microsoft PowerApps, Power BI, Canvas, SharePoint, Power Automate

Libraries: Pandas, NumPy, Matplotlib