

Kirubakaran Kumarappan

Data Engineer I | New York City, New York

EDUCATION

Texas A&M University, Mays Business School
Master of Science in Management Information Systems

College Station, Texas
May 2023

People's Education Society (PES University)
Bachelor of Technology in Computer Science Engineering

Bengaluru, India
May 2019

TECHNICAL SKILLS

Expertise: Database/Datawarehouse management, Automation, Analytics, Process/Systems optimization

Languages: Python, R, SQL, PySpark, HTML, Javascript, C++, VBA scripting, Shell scripting

Software tools: Excel, Tableau, PowerBI, Jira, Apache (Hue, Hive), Lucid chart, Miro, Github, Visual studio code

Platforms: Azure (Storage, Databricks), AWS (EC2, S3), Snowflake

Certification & Training: Professional Scrum Master 1 (Scrum.org), Project Portfolio Management Foundations

PROFESSIONAL EXPERIENCE

McKinsey & Company

New York City, New York

Data Engineer I

August 2023 – Present

- Created PySpark ETL scripts on Azure Databricks to build a 3-year promotional calendar for a beverage producer; performed data quality checks and integration testing into production pipelines of a growth management product
- Set up data pipeline automation workflows on Azure Databricks and rectified failed runs based on logs written to excel which helped in managing cluster compute effectively and reduced human intervention to check pipeline execution
- Improved data and process workflows of the complaint handling systems for a medical device manufacturer with a focus on unifying data fields captured and speeding readiness of critical systems across geographies to comply with regulators

Data Engineer Intern

June 2022 – August 2022

- Advised a Fortune 500 beverage consumer-packaged goods client on implementing data mesh principles and governance across business domains; compared and analyzed proofs-of-concept delivered by 3 vendors
- Optimized python script that extracts metadata from snowflake data tables and schemas that creates a metadata spec in a JSON and Excel format

Ugam Solutions Pvt. Ltd - A Merkle Company

Bengaluru, India

Data Analyst

June 2019 – February 2021

- Created automation steps using Excel for quality checks on recurring KPI reports saving 30-man hours per month, identified and reduced redundancies across 15 reporting deliverables
- Analyzed customer data to create segmentation and profiling of client's 41M customer base using Apache Hue, amplified implementation of targeted marketing strategies for a 2% increase in customer loyalty base YoY
- Generated visualizations using Tableau and spearheaded the creation of executive documents to convey the functioning of the client's business processes to top management which initialized a modeling project to calculate attrition
- Collaborated with senior analysts and database admins to conduct data migration from Oracle to Amperity customer data platform; conducted data audit, documented data dictionaries and resolved data capture discrepancy
- Performed exploratory data analysis of clients' user data using R + Excel and reviewed insights with major stakeholders; identified 30% customer churn rate by using regression models on time series datasets
- Identified trends in customer purchasing behavior and usage of services across products; saved the client with ~\$2M in displaced migration costs from normal to premium services for customers

AT&T Global Business Services India Pvt. Ltd

Bengaluru, India

Technical Intern

January 2019 – June 2019

- Designed a web portal to improve the ETL process using HTML + Python integrations to automate client reporting work for Service Management Unit reducing manual intervention by up to 90% and saving 2+ man hours per day
- Assessed data accuracy and integrity issues on legacy DBMS using Oracle SQL; optimized query runtimes by 10% and created an API plugin from data source to the web portal for an end-to-end reporting pipeline