

MRUNMAYEE VIJAY INAMKE

minamke@ucsd.edu | +1 (858) 257-7666 | www.linkedin.com/in/mrunmayee-inamke/ | [Portfolio](#) | San Diego, CA

EXPERIENCE

Morningstar, Inc (*Product: Morningstar Direct*)

Mumbai, India

Senior Operations Data Analyst [Award/Recognition – Impact Award for FY 2023] ([Link](#))

Dec 2022 – Jun 2024

- Empowered data-driven decision-making for **20 companies** autonomously by generating precise financial summary reports.
- Accelerated report turnaround by 25% through developing **200+ SQL** queries for data extraction and aggregation.
- Saved 160 manual processing hours by optimizing **ETL pipeline** performance using Python scripts.
- Ensured seamless operations by resolving **100+ Level 3 Incidents** and 10+ Service and Change Requests in ServiceNow.
- Reduced manual efforts by 80% through automating KPI calculations for Efforts Saved, Success Rate, Resource Utilization.
- Enabled real-time performance monitoring by automating data workflows in **Power BI** with dynamic dashboards.

Infosys Limited (*Product: Coupa*)

Pune, India

Senior Systems Data Analyst

Nov 2021 – Nov 2022

- Improved inventory management for **350 B2B** clients by launching 5+ new features in collaboration with Product Managers.
- Led 5 teams by driving SLA Tracking, RAID resolution and team accountability through **10+ Tableau** dashboards.
- Directed the development of **data pipeline**, informing strategic business decisions on data procurement and modelling.
- Enhanced inventory forecasting by spearheading robust statistical analysis using multi-class **logistic regression** models.
- Collaborated with cross-functional teams to migrate company's data warehouse to a cloud data lake using **AWS EC2, S3**.

Systems Data Analyst

Oct 2020 – Nov 2021

- Boosted data accuracy by 30% through streamlining data inspection and cleaning processes with **Alteryx**.
- Reduced errors by 5x (10% to 2%), by creating automated Excel processes with **PowerApps and Macros**.
- Developed 50+ complex SQL scripts in **SSMS** to replicate dataflows seamlessly from the UI, ensuring data integrity.
- Mentored fellow developers in addressing intricate data regulations to ensure data reliability and prepared SOPs.

SPECIALIZED SKILLS

- **Data Analysis Tools:** Tableau, Power BI, SAS Enterprise, Google Analytics, Looker, MS Excel, Alteryx, QlikView
- **Languages/Coding:** Python, MySQL, PostgreSQL, R, C, C++, Core Java, HTML, ReactJS, AngularJS
- **Machine Learning:** NumPy, Pandas, Matplotlib, Seaborn, Regression analysis, Scikit-Learn, PyTorch, PySpark, Numba
- **Database:** MySQL, PostgreSQL, SQL Server, Snowflake, LDAP, Databricks, Spark, Apache Hive, Hadoop, Redshift

EDUCATION

University of California, San Diego (3.9/4.0)

California, USA

Master of Science in Business Analytics

Aug 2024 - Jun 2025

Narsee Monjee Institute of Management Studies

Mumbai, India

Bachelor of Technology, Computer Science

July 2016 - Aug 2020

- Awarded Best Research Project, 2020 for Medical Image Analytics using Deep Learning ([Paper Link](#))
- Secured 5th place globally representing India at Student Unmanned Ariel Systems Competition 2018 (Aerial Imaging & Safety Package Delivery using Machine Learning), Maryland, USA. ([Link](#))

PROJECTS

E-Commerce Platform Clicks to Carts to Orders Prediction ([GitHub](#))

- Developed a multi-objective recommender system to improve personalized product recommendations, increasing sales.
- Analyzed 10 million products from over 19,000 brands and predicted top-N relevant items with 97% accuracy.
- Implemented covisitation pair generation using Numba-optimized functions reducing execution time (*5 hrs to 15 min*)

Fake News Detection and Visualization ([Tableau](#))

- Performed exploratory and sentiment analysis using NLP and BERT embeddings to uncover patterns in fake articles.
- Built a classification model using TF-IDF vectorization and ML algorithms, achieving 92% accuracy, 0.91 F1-score.
- Designed a Tableau dashboard to showcase the effects of geography, education levels, and source of media.

Customer Analytics Case Studies [Logistic Regression, Neural Networks, Random Forest, etc.]

- Leveraged advanced data mining techniques to enhance customer targeting for Tuango, optimized mobile ad engagement for TZ gaming, and drove cross-sell/up-sell strategies for Intuit Quickbooks, boosting campaign profitability.
- Applied data-driven advertising, and product recommendation strategies for Creative Gaming & Pentathlon, used uplift modeling, next-product-to-buy analytics for targeting high-potential users, maximizing ROME.
- Focused on churn analysis for S-Mobile by integrating Customer Lifetime Value (CLV) into churn management processes, streamlined PFG Bank's offer alignment to customer segments for better engagement and profit margins.