

EDUCATION

Arizona State University	Master of Science in Business Analytics	August 2021 - May 2022*
Indira Gandhi National Open University	P.G. Diploma in Statistics- Non-Degree	July 2020 - July 2021
Annamalai University	P.G. Diploma in Financial Management	November 2018 - December 2019
University Of Madras	Bachelor of Arts in Economics	June 2012 - April 2015

PROFESSIONAL EXPERIENCE

Goldman Sachs **Bengaluru, India**
Liquidity Trade Management - Analyst **January 2016- March 2017**

Responsible for 200+ repurchase trade settlements (valued greater than \$500MM) per day in European & South African markets. Engaged and partnered with key business stakeholders to optimize firm's funding and solvency with data-backed business insights.

- Identified process improvement and automation opportunities for repurchase trade flows. Increased straight-through settlements rate by 38%, through process re-engineering with strategic BI solutions.
- Built strong relationships with external clients, traders, and brokers. Bolstered internal cross-functional collaboration with multiple business units to drive critical trade settlements.
- Maintained Client Money dashboards to auto-update daily client money obligations to be locked up with firm's Treasury operations, documenting the same in line with Financial Conduct Authority's CASS rules.
- Queried and extrapolated historical data from multiple databases via SQL and Tableau to predict trade mismatch rates during biannual rerate events. Leveraged these numbers to proactively mitigate settlement failures for 250 trades by T-1, with overall settlement success of 94% on day of the Fed re-rate.
- Led the Broker Scorecard project for actionable insights on broker behavior; aggregated complex data for over 300,000 trades from internal data repositories with PostgreSQL. Attributed 46% of total settlement failures to broker errors/delays. Recommended SLA renewals and built a Tableau dashboard to monitor broker activity after renewed SLAs.

Prime Brokerage and Custody Services- Analyst **March 2017 - August 2018**

Responsible for cash & custody portfolios of 230 clients in the firm's Prime Brokerage business; handled wire instructions, SSI set-up, reconciliation of funds & internal account transfers. Executed sensitive wire transfers including IPO funding/ short coverage payments through back-to-back market/currency deadlines.

- Extracted and integrated data on 27,000 cash journals from internal repositories and performed descriptive analytics on the same to quantify additional data requirements needed to satisfy reporting regulations laid by MiFID II.
- Identified out-of-date threshold rules contributing to 50%+ false positives in system-driven control checks on high-risk payments. Partnered with Technology teams to amend these cash-value thresholds for third-party wire requests to eliminate the redundancy.
- Automated break summary reporting/ visualization to executive management via Alteryx, eliminating manual touchpoints.
- Collaborated with senior leadership on requirements analysis and change management for cross-regional migration of payment processes and trained new hires for seamless onboarding onto cash and custody functions.

RESEARCH EXPERIENCE AND PROJECTS

Actionable Analytics Lab, ASU- Research Data Analyst **January 2021 – Present**

- Investigating point-cloud LiDAR data and sensor images from Waymo's Autonomous Vehicles, to analyze human-AV interactions in public spaces. Parsed, preprocessed, and labelled unstructured image data via TensorFlow through full analytical pipelines.
- Building Machine Learning models classifying positive/negative interactions to evaluate image perception capacity of the cars.

Arizona State University- Financial Operations Analyst **December 2021 – Present**

- Developing a custom database with MS SQL on enrollment & payments data through ETL processes from multiple data sources.
- Building database objects including tables, views and stored procedures according to business needs in consultation with process stakeholders. Eliminating manual data consolidation to achieve a time save of 90 mins/day.

Indian Institute of Management, Bengaluru - Data Analyst **May 2015 - June 2015**

- Built a CLI tool with C++ to automate ingestion and collation of academic evaluation data thereby saving 180 minutes/ day.
- Analyzed evaluation data from 1000+ schools based on 5 KPIs. Determined an increased pass percentage of 73% as a measure of impact of satellite learning modules based on these KPIs.

SKILLS & ACTIVITIES

- **Programming Skills:** Python (NumPy, Pandas, Plotly, Scikit-learn, SciPy, Seaborn, TensorFlow), R(dplyr, ggplot2), SQL, SAS, C++
- **Software Tools & Skills:** Advanced Excel (Pivot Tables, Vlookup, Solver, StatTools, @RISK, PrecisionTree), Microsoft Suite (Word, Excel, PowerPoint, Access), PowerBI, Tableau, JIRA, Confluence, Signavio, Alteryx, RStudio, Microsoft SQL, PostgreSQL.
- **Business/Finance Domain Expertise:** Business Intelligence, Operations and Strategy, Financial Modelling, Corporate Valuation/Pricing, Capital Markets, Derivatives, Financial Reporting, Financial Risk Management
- **Interests:** Scuba Diving (PADI deep-sea diver), Marine Conservation (participant in reef building/restoration work), Hiking.