Maneel Reddy Karri

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PROFESSIONAL EXPERIENCE

Amazon Web Services   *San Francisco, CA*
Machine Learning Intern   *10/2022 – Present*
- Train sequential deep learning recommender models on 3 open-source datasets (ML-1m/Yelp/Amazon Books) using the RecBole framework & explore the model explainability of events and features.
- Working on model explainability of recurrent neural networks by utilizing TimeSHAP to identify the most significant features that result in improved model interpretability.

Hypersonix Inc   *Bangalore, India*
Senior Data Scientist   *04/2021 – 06/2022*
Supply Visibility Solution & Data Harmonization for a leading beverage company (S&P 100)
- Developed and implemented a text similarity model utilizing FuzzyWuzzy and Spacy to accurately map customers across three separate Enterprise Resource Planning (ERP) systems with 70% accuracy replacing the manual approach.
- Designed ETL pipelines for monitoring order statuses and tracking truck movements from distribution centers to stores. Developed a uniform schema across 12 tables, which resulted in 86% of orders being mapped to exact delivery times.
Promotion Effectiveness Solution for a US-based CPG client (Annual Revenue: $500 million)
- Designed a promotion effectiveness model that calculated key drivers of promotion, such as direct lift, halo, and cannibalization at the item level. Escalated ~ 5% of promotions on a weekly basis.
- Implemented a Word2Vec model on customer purchase data to recommend substitutable products for over 50K Stock Keeping Units (SKUs) replacing the rules-based approach.
Inventory Management Solution for a US-based CPG client (Annual Revenue: $4.5 billion)
- Enabled a CPG client to have perpetual visibility of 2M+ Stock Keeping Units (SKUs) at 300+ stores, resulting in improved inventory management and optimized supply chain operations.
- Calculated optimal inventory levels and replenishment schedules for all SKUs by time series forecasting (FB-Prophet) and Linear Programming techniques (MIP on CPLEX) for better supply chain management.
- Received the HX Above & Beyond Award twice for significant contributions to the Hypersonix team.

Jumbo Electronics LLC   *Dubai, UAE*
Financial Planning & Analysis Analyst   *07/2018 – 04/2020*
- Optimized key monthly task processes by writing a VBA Macro reducing book closure time by 20%.
- Performed variance and trend analysis on financial data & prepared monthly presentations on business performance presented to executive leadership.
- Designed, reported and maintained financial models on working capital, inventory and debtor aging.

HSBC   *Mumbai, India*
Summer Intern   *04/2017 – 06/2017*
- Developed a list of 72 prospective clients for business development through a series of key organizational filters by conducting a market study on French and Swedish subsidiaries in India.

EDUCATION

University of San Francisco   *San Francisco, CA*
M.S. in Data Science (GPA:4.0/4.0)   *07/2022 – 06/2023*
Courses: Machine Learning, Deep Learning, Linear Regression, Time Series Analysis, A/B Testing, Relational Databases (SQL), NoSQL, Distributed Computing

Faculty of Management Studies, Delhi University   *New Delhi, India*
M.B.A (Majors in Finance and Minors in Operations & Marketing)   *07/2016 – 04/2018*

Birla Institute of Technology & Science   *Hyderabad, India*
B.E. in Electronics and Communications   *07/2012 - 07/2016*

SKILLS & CERTIFICATIONS

Python(scikit-learn, numpy, pandas, scipy), data visualization, SQL, NoSQL(MongoDB), Git, Apache Spark, Google Cloud Platform(GCP), Databricks, PyTorch, Financial Planning & Analysis, CFA Level 2