

Moraldeep Sachdeo

San Francisco Bay Area, CA | moraldeepsingh@berkeley.edu | +1(510)-646-7721 | [Linkedin](#) | [G Scholar](#)

SUMMARY

Working professional with 4+ years of experience in Business Analytics, Supply chain, Procurement & Product management looking for exciting Opportunities to solve complex problems and build amazing products by leveraging analytics

PROFESSIONAL EXPERIENCE

Micron Technology Inc, San Jose

July 2022 - Present

Senior Program Manager | Digital Transformation, Innovation & Analytics

- Implemented strategies to improve supplier diversity within procurement operations, while utilizing web scraping techniques to build comprehensive databases.
- Influence and develop Global Procurement COE data science strategies and SaaS applications in Predictive Lead time, Cost, Risk.
- Led blockchain-based solutions for procure-to-pay & supply chain cases, while serving as a company liaison for blockchain consortiums

Western Digital Inc, California

Mar 2021 - July 2022

Program Manager | Supply chain & Analytics Centre of Excellence

- Define, monitor and analyze key metrics to evaluate performance of various Product Segments for Global Ops
- Forecast demand by taking in weeks of stock quantity and mapping out accuracy for better estimates of upcoming demands
- Reduced Supply Chain disruptions by querying data using SQL and designing Tableau dashboards that identified root causes of Factory and Operations delays
- Managed Project involving creation of customized full stack platform where financial planning can be done using various knobs to mix the high-level plan based on planner input then going down to lowest granularity (Model number) that can be published to Finance

Beam Solutions, San Francisco

Aug 2019 - Aug 2020

Data Analytics intern

- Built Python-driven unsupervised machine learning models that isolate and identify malicious or fraudulent financial activity
- Build a foundation and data pipeline for processing and analyzing unstructured, free text data
- Designed and engineered data pipeline, converting unstructured text corpus into tokenized, model-ready data

Mercedes Benz India Pvt Ltd, Pune, India

Dec 2017 - Dec 2018

Operations Engineer

- Handled Logistics and supply chain Operations at Factory Level for 4 variants of Mercedes Benz Cars (S, E, C, GLC)
- Forecasted number of defects using Regression and other Lean Six Sigma tools to identify Stations for process Improvement using SQL and Excel which lead to cost saving of minimum \$15k annually
- Presented 20 KPI Statistics- Key Performance Index charts using Tableau for Mercedes Benz India
- Awarded Suggestion Award for improving the workplace efficiency and cycle time of work stations by 6 minutes

SKILLS

- Programming Languages and Visualisations Softwares: SQL, Python, R Programming, Tableau, QlikView,
- Statistical Software: SAS Studio, Minitab, Free Mind, SAP
- Modeling and Algorithms: Machine Learning, Mathematical Modelling, Statistics, Risk Modelling, Predictive Modeling
- Analysis: MS Excel (Vlookup, Pivot Tables, Macros), Aurora ,Redshift Database data fetching, Snowflake

EDUCATION

UNIVERSITY OF CALIFORNIA BERKELEY (3.8/4)

Aug 2019 - Dec 2020

Master of Engineering in Industrial Engineering and Operations Research | **Track:** Analytics, Supply Chain, Product Management

VELLORE INSTITUTE OF TECHNOLOGY, VIT Vellore, India (4/4)

2014 - 2018

Bachelor of Technology in Mechanical Engineering | **Specialization:** Continuous Improvement & Supply Chain | Ranked top 5% in Cohort

PROJECTS

Credit Risk Analysis (Python, Packages : NumPy, Pandas, sklearn, matplotlib)

- Built a predictive model with accuracy of **82.5%** for the banking company by scoring the lender's propensity to be a defaulter, and exploring the variables associated with it, helping them to build strategies. Validated the proposed model using Cross Validation
- Perform binary text classification on emails using Naive Bayes classifier and add-one smoothing

Development of a B2B Marketplace and contracting platform for HVAC Industry [Haas School of Business]

- Led the end-to-end development and launch of a B2B Marketplace and contracting platform for the HVAC Industry, solving a need for a connecting platform between OEMs and buyers by collaborating with cross-functional teams and stakeholders to ensure product success.
- Evangelized the product vision, UI/UX roadmap, Go-To-Market strategy and conducted A/B testing while evaluating alternative product solutions to validate hypotheses and make data-driven decisions.

PUBLICATIONS

- [International Journal of Lean Six Sigma- IJLSS Paper: Improving Manufacturing & Supply chain Lead times via Analytics & Simulation](#)
- [IEEE Paper: Pedestrian intention recognition Network for Autonomous Self-Driving Cars](#)