SUNNY HIRANI

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EXPERIENCE

DATA SCIENTIST INTERN   **Feb 2023 – June 2023**
Datto, Melbourne, VIC

- Analysed the customer spending behaviour through comprehensive **statistical analysis methods** and built an ARIMA/SARIMA model to forecast the financial life of the customer.
- Integrated data from various sources, applied data transformation and cleaned data to be readily available for **building CI/CD pipeline**.
- Conducted exploratory data analysis (EDA) on spending and income data to glean insights and patterns related to income and debt and executed advanced SQL queries to improve performance.

DATA SCIENTIST   **Dec 2019 – Dec 2021**
BISAG-N, Gandhinagar, IND

- Launched comprehensive exploratory data analysis on inventory data, uncovering patterns and suggesting enhanced solution designs, culminating in **0.6x better stock to sales ratio**.
- Deployed predictive statistical models using AWS SageMaker, leveraging advanced analytics to foresee inventory demand, leading to **cost savings of $125k**.
- Championed use of dashboards and reports to monitor key performance indicators, leading to **better inventory turnover ratio**.

TECHNICAL SKILLS

- **Programming languages**: Python (NumPy, Pandas, PySpark, scikit-learn), R, SQL
- **Data Visualisation**: Matplotlib, seaborn, Tableau, plotly, Excel
- **Machine Learning**: Predictive Modelling, Prescriptive Modelling, Propensity Modelling, Time-Series Forecasting, Statistical analysis (Statistical tests, hypothesis testing)
- **Cloud Platforms**: AWS, AZURE
- **Microsoft Suite Office**: Excel, PowerPoint

I am a fast and enthusiastic learner who enjoys synthesizing large amounts of research and data insight into a concise and robust story for presentations to stakeholders and whitepapers.

PROJECTS

Hospital Case Mix Protocol
- Optimised staffing allocation by forecasting (6 months) daily patient admissions into the hospital.
- Streamlined EDA by extracting key patterns in daily peak admission and discharge time.
- Extracted relationship between stay duration and various charges through statistical tests.

Market Mix Modelling
- Optimised the budget for marketing team across 5 different channels to streamline with maximum profit.
- Built a 7-week moving average model to foresee sales of the products and discovered the discount range for maximising sales.

EDUCATION & CERTIFICATIONS

RMIT University   Graduated July 2023
Master Of Artificial Intelligence

AZURE Data Scientist Associate   April 2023