
EDUCATION**W. P. Carey School of Business at Arizona State University**

August 2022 – May 2023

Master of Science in Business Analytics (MSBA) | GPA: 4.00 | 4.00

Tempe, AZ

Relevant Coursework: Advanced Statistics, Supply Chain Analytics, Machine Learning, Optimization Modelling, Marketing Analytics, Deep Learning, Enterprise Analytics, Natural Language Processing, Data-Driven Quality Management

Amity University Noida

July 2013 – May 2017

Bachelor of Technology (Computer Science & Engineering) | CGPA: 7.40 | 10

Uttar Pradesh, India

PROFESSIONAL EXPERIENCE**Data Scientist Intern**

January 2023 – May 2023

Axon Enterprise | Capstone Project

Arizona, USA

- Used advanced analytics techniques to classify customer reviews, reducing manual effort by 3 business days per month. This resulted in an 11% boost in the Net Promoter Score, reflecting improved customer satisfaction across all services.
- Delivered an interactive and user-friendly Tableau Dashboard and Streamlit web application, assisting stakeholders effortlessly analyze the Net Promoter Score across all categories, highlighting Axon's strengths and pinpointing areas for improvement.

Business Analyst

April 2020 – March 2022

Better.com

Gurgaon, India

- Streamlined evaluation of income, assets, credits, and other essential KPIs, resulting in increased accuracy in identifying suitable mortgage options for clients, leading to a 20% reduction in mortgage processing time, and improving customer satisfaction.
- Developed machine learning models to accurately predict loan eligibility of approximately \$2.5 million per week in purchase loans by collaborating with underwriting team, boosting approval rate by 15% and driving higher loan origination volumes.
- Prepared monthly Tableau dashboards by retrieving and validating data using complex SQL queries. The trend analysis provided actionable insights on market trends, revealing a notable 37% increase in refinance loans triggered by the COVID-19 pandemic.
- Performed risk analysis on 1500 loans/week using risk rating models, evaluating key metrics like loan-to-value and debt-to-income ratios. Assigned risk ratings to enable informed decision-making based on forecasting defaults using predictive analytics.
- Automated workload allocation involving cross-functional collaboration with data engineers and product management team for integration of a Python script with an in-house tool for process improvement, increasing team efficiency and productivity by 20%.

Project Engineer

September 2017 – December 2019

Credit Suisse | Wipro Technologies

Pune, India

- Used ETL tools like Informatica for data extraction and data pre-processing. Performed necessary data augmentations based on critical financial indicators, resulting in standardized operations and a notable 25% increase in operational efficiency.
- Facilitated a comprehensive market analysis across EMEA and APAC regions to identify changes in market behavior and the underlying drivers, providing strategic guidance to help businesses make informed decisions to capitalize on market trends.
- Designed automated Tableau dashboards, saving ~20 hours per month in reports generation, providing recommendations on areas for improvement, and evaluating data impact issues, resulting in a 15% increase in efficacy in decision-making processes.
- Improved operational efficiency of workforce by optimizing various tasks, including developing a generic file comparison script with Python, resulting in saving 2 business days of work in manual data comparison.

PROJECT EXPERIENCE**Hotel Reservation Prediction**

November 2022 – December 2022

- Using statistical modeling techniques like logistic regression, built a model to predict hotel booking cancellations with a 94% recall and 72% accuracy. Implemented a user-friendly web application using Streamlit for seamless access to the model's predictions.

Project Mentor and Reviewer | Udacity.com

August 2020 – February 2022

- Mentored ~85+ students and reviewed ~1000+ projects worldwide under analytics and product management domains. Provided critical insights and constructive feedback, helping students graduate from respective certification programs.

Assessing the Impact of New Landing Page on User Conversions: A/B Testing

January 2020 - February 2020

- Conducted A/B testing to evaluate the impact of a new landing page on user conversions. Statistical and Quantitative analysis (Z-test, 95% confidence level) revealed no significant difference in conversion rates. Hence, failing to reject the null hypothesis.

SKILLS & ACTIVITIES

- **Languages:** Python (Pandas, NumPy, Scikit-Learn, Seaborn, Plotly, NLTK, SpaCy), SQL, R
- **Tools:** Tableau, Looker, Microsoft Excel, IBM SPSS, Google Analytics, Minitab, Power BI
- **Technical Skills:** Data Analytics, Data Visualization, Business Intelligence, Machine Learning, Natural Language Processing
- **Certifications:** Data Analytics, and Marketing Analytics Nanodegree (Udacity.com), NLP with Python bootcamp (Udemy.com), Tableau Fundamentals (DataCamp.com)
- Member of **Beta Gamma Sigma**, The International Business Honor Society
- Director of Professional Services

Rotaract Club of Delhi South | August 2020 – July 2022