

# ANKITA NAGORI

Torrance, California

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## DATA PROFESSIONAL

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Highly meticulous Data Science Professional and M.S. Business Analytics candidate at UCLA Anderson. Over five years of analytics experience in Fortune 100 organizations. Passionate about leveraging data to deliver valuable insights for businesses, using data-driven methods in languages like Python, R and SQL.

**Expertise:** Statistics, Machine Learning, Data Visualization, Modelling, Neural Networks, Dashboarding

**Languages:** Python, SQL, R, Julia, Gurobi, VBA, Java, HTML, CSS

**Software:** MS Excel, Macros, SPSS, RStudio, Jupyter Notebook, Atom, Visual Studio, BIRT, JIRA, Tableau

**Databases:** Oracle, MySQL, Sybase, MS Access, Object Oriented Database, Hadoop, MongoDB

## EDUCATION

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### UCLA ANDERSON SCHOOL OF MANAGEMENT

Los Angeles, CA

#### *Master of Science in Business Analytics (MSBA)*

Expected December 2018

- Prescriptive Analytics, Customer Analytics, Statistics, Data management, Optimization, Machine Learning and R Programming
- **Product Optimization**–Recommended best product based on market share and profit share using compensatory and non-compensatory models in R
- **Digital Advertising** – Compared different ad campaigns using Bayesian methods and Monte Carlo simulation in R.
- **Marketing Analytics** – Created statistical model to analyze relationship between advertising on Amazon to total orders received on Amazon for CPC- Strategy using SQL and R programming.

### V.E.S INSTITUTE OF TECHNOLOGY

Mumbai, India

#### *Bachelor of Engineering (BE), Information Technology*

July 2011

- **Sales Forecasting** - Built a data mining system to improve the forecasts of retail sales figures for inventory management using SPSS and Apriori algorithm on ARIMA models, increasing the accuracy by 15%.

## EXPERIENCE

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### BOSTON CONSULTING GROUP - DIGITAL VENTURES

#### *Data Scientist Intern*

June 2018 – Present

- Worked on a recommendation system to recommend car repairs to consumers to create a more transparent process.
- Applied machine learning models to identify probability of default for contractor loan applications with 88% accuracy.
- Gained experience in sentiment analysis for customer reviews and feedbacks.
- Integrated dashboards for Product, Marketing and Engineering teams for monitoring post Alpha release.

Technologies Used: Python, R, Amplitude

### JP MORGAN CHASE

#### *Associate Application Developer*

January 2014 – December 2016

- Designed and built a new reporting system to generate timely scheduled Business Intelligence reports for the Fixed Income senior leadership using data aggregation, supporting insightful and strategic decisions that increase business revenue.
- Collected, cleaned and validated financial data to capture outliers in the trades not adhering to the expected strategies and recorded explanations from the traders for same, creating cleaner and risk-controlled environment for booking trades.
- Managed a team of three members to support Asia's Product Control department's data queries and ad-hoc reporting requests using SQL data management tools, decreasing the total turnaround time for any query or report.
- Chosen to work for a short assignment in Sydney in collaboration with various stakeholders in Risk Management process; recommend technology solutions, increasing efficiency and reducing the manual efforts by 7.5 hours per week.
- Built a tool to notify trade life cycle events to external systems for Foreign Exchange, decommissioning legacy licensed application; enhancing the existing functionalities and saving the cost by 60%.

Technologies Used: Python, SQL, Object Oriented Database, JIRA, Oracle, BIRT, Excel, Macros

#### *Application Developer*

August 2011 – December 2013

- Analyzed Product Control and Risk Management department's complex database systems and identified loopholes concerning data confidentiality and integrity; recommended and implemented solution, mitigating the security risk.
- Led migration of Excel based Foreign Exchange trade reconciliation spreadsheet models to a more robust Risk Management system using Python, saving more than 10 hours of manual effort per week.
- Designed and developed a tool using Python for Sales Support team to calculate exposure details using linear models on Repurchase Agreement trades, achieving 90% automation and saving nearly 40 hours of manual effort per month.

Technologies Used: Python, SQL, VBA, Excel, MS Access, JIRA, MySQL, Java

## EXTRA-CURRICULAR

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- Wrote and presented a technical paper on "Genetic algorithms" explaining principles of recombination and mutation.
- Created a mobile game called "Snakes" with multiple opponents competing for survival and growth using J2ME.