

Himanshu Chandra

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DATA SCIENTIST

Highly quantitative skilled Data Scientist and MS Business Analytics candidate at UCLA Anderson. Over four years of experience in Quantitative analysis, Insights & recommendations, data visualization and leading team of junior Data Scientists with Fortune 500 and India's biggest company. Inclined to support and resolve product decisions through products insights from large datasets

Languages: SQL, R, Python, Hive, Hadoop, MATLAB, SAS

Additional Skills: Statistics, Probability, A/B test, Analytical skills, Time-series, Product Management, Big Data

PROFESSIONAL EXPERIENCE

Reliance Industries Limited (RIL) Mumbai
Data and Product Analyst 2015-2019

- Managed a team of **5 Data & Product Analyst** and executed the 6-month project to develop products for employees on the RIL app for **employee data visualizations, user interface and experience**, scaling to more than **50000 employees**
- Performed **A/B testing** on the Reliance's website for user behavior, deployed the recommendations **increasing 15% activity**
- Exploratory data analysis** on 2 yrs. hourly data to make engineering/hardware decisions which help save **USD 1.5 M**
- Generated a **Tableau dashboard** in agile framework for **HR analytics on employee churn**, Produced **insights on causes**

Machine Learning Scientist 2015-2019

- Deployed **k-means** clustering algorithm for classification of telecom network towers (**20M users**), **reduced call drops 15 %**
- Time series forecasting** of production target using historical sales data with 90% accuracy at Reliance daily **worth is \$1.5M**
- Developed a Feed forward (**3 layer**) **Neural network** to simulate the reaction network and generate the reaction prediction of Bio-wastes to biofuels, resulted in accuracy of **prediction with > 85%**
- Engineered **failure predictive model** and APIs for hardware date to optimize equipment warranty costs, **saved \$5M**

Jet Propulsion Lab, Caltech-NASA Los Angeles
Data Science and Market Research Intern Nov 2019-Jun 2020

- Programmed a **CNN model to classify MRI video** of a brain as Alzheimer's disease (AD) with 85 % accuracy
- Simulated the **South Korea COVID-19** patients data to estimated the need of drugs in the US, to help prepare Healthcare

Opal Tech AI Los Angeles
Data Science and Market Research Intern Apr 2020-Jun 2020

- Operated on debugging **RNN model for 3D scanning** of structures/buildings, model used as primary product for customers
- Developed **market sizing framework and ideal customer** persona for potential users of product Aviary mobile app

EDUCATION

UCLA ANDERSON SCHOOL OF MANAGEMENT Los Angeles, CA
Master of Science in Business Analytics (MSBA)- 3.86/4 December 2020

- Coursework: Machine Learning, Deep Learning, Customer Analytics, SQL, and Data Management

INDIAN INSTITUTE OF TECHNOLOGY BOMBAY Mumbai
B. Tech, Chemical Engineering May 2015

- Recipient of **Global Leading Engineer Scholarship** from National Tsing Hua University Taiwan for research work
- Recipient of **Dean's scholarship** for exhibiting technical and analytical expertise in curriculum
- Coursework: Computer Programming and Utilization, Statistical learning, Data Analysis, and Interpretation

PROFESSIONAL PROJECTS

Data Management Solution Jan 2020

- Designed data management solution for client Squid, created pipeline on Stage and Final database for Dashboard
- Recommended Final database in Amazon RDS as the OLAP, applicable to a scale of 10X growth in future

Workplace Analytics Dashboard, Microsoft Apr 2020

- Designed a **Tableau Dashboard** on MS sellers weekly Email hours and Meeting hours activities to draw insights
- Recommended specified time and day of week for **highest efficiency of each seller role**, for a large scale

Santander EDA and Prediction - Kaggle Competition Apr 2019

- Customer identification for predicting transactions in future based on dataset; Developed XGboost algorithm (Python) for prediction; Successfully verified model with accuracy of 0.9 (AUC)

EXTRA-CURRICULUM

- Managed Interns and New joining in RIL for a period of 4 years, assisting them on-boarding and logistical issues
- Regularly Volunteered to teach underprivileged kids in Mumbai slums for **NGO Make A Difference**
- Personal Interest: Chess, Football, Sports Analytics