

Jaskaran Singh Kohli

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EDUCATION

Santa Clara University, Leavey School of Business

Santa Clara, USA

Master of Science in Business Analytics

December 2020

- Relevant Coursework: Machine Learning, Deep Learning, R and Python for Data Science, Natural Language Processing

SRM Institute of Science and Technology

Chennai, India

Bachelor in Computer Science and Engineering

May 2018

- Relevant Coursework: DBMS, Data Mining, Business Environment, Text Mining, Calculus, Statistics and Probability

TECHNICAL SKILLS

- **Data Analytics and Modeling:** Statistical Analysis, Hypothesis Testing, Data Mining, Data Wrangling, Feature Engineering, Marketing Analytics, Econometrics, Machine Learning, Supervised Learning (Regression, Classification, Ensembles), Unsupervised Learning (Clustering, PCA), Deep Learning (CNN, RNN), Natural Language Processing
- **Programming Languages and Tools:** Python, R Programming, SQL, Excel, SAS, Power BI, DAX, Power Query, Tableau, Oracle Analytics
- **Libraries and Frameworks:** Pandas, NumPy, Scikit-Learn, Matplotlib, Seaborn, NLTK, Keras, TensorFlow, Dplyr, Caret, Ggplot2
- **Certifications:** [Tableau Data Scientist Badge](#), [Google Analytics Individual Certification](#), [AWS Data Analytics Fundamentals](#), [Project Management for Beginners](#), [SAS® Academy for Data Science Badges](#), [Master SQL for Data Science](#)

EXPERIENCE

Gilead Sciences

Foster City, CA

Business Intelligence Analyst Intern

June 2020 - September 2020

- Engineered robust data models and automated manual reports for the Pharmaceutical Development and Marketing Department; reduced processing time by 60%.
- Optimized distribution, execution and scalability of live reports for 10 departments from 3 different data sources.
- Applied different transformations for data conversion, sorting and cleaning using Power BI Query Editor. Developed calculations and visualizations using DAX functions such as table, aggregation and iteration functions. Produced a comprehensive business analysis and projections for future strategic decisions.
- Designed and deployed 30 ad hoc Power BI dashboards and built 15 Power BI applications for Dynamic Updates.

L&T Infotech

Chennai, India

Graduate Engineer Trainee

August 2018 - January 2019

- Analyzed and compiled several potential use cases for the business; delivered high performance technology solutions.
- Gathered client requirements, prepared multiple data analyses reports and conducted feasibility study for alignment with the Dev team.

Gaurish Technologies

Gwalior, India

Software Development Intern

June 2016 - July 2016

- Hands-on experience on a Live Project SCHOOL GURU'S School Management System deployed in more than 40 schools with data of more than 2500 students.
- Performed anomaly resolution and cataloging of errors concerning new services such as transcript and certificate generation with testing team; resulted in a better performing product for the end user and helped make error correcting process more efficient.

ACADEMIC PROJECTS

- **Oracle Practicum:** Collaborating with Oracle's Data Science & Advanced Analytics team to build a marketing campaign recommendation system and help sales reps and marketers decide what to do next.
- **Google Store Sales Analysis:** Advanced Analysis of Google Stores Sales Data and Investigated business questions pertaining to targeting new customers and generating additional revenue from existing customers.
- **Neural Machine Translation using Transformers:** Implemented first sequence transduction model based entirely on attention, replacing slow recurrent layers with multi-headed self-attention, following the paper "[Attention is all you need](#)".
- **Zomato Restaurant rating Prediction:** Exploratory Data Analysis to identify major attributes affecting restaurant ratings.
- **US Unemployment Rate Time Series Analysis:** Analyzed the monthly U.S. unemployment rate containing 900K observations spanning over 27 years. Implemented STL decomposition and selected ARIMA model to fit the time series and forecast rate for the next 4 years.
- **Causal Effect of Cigarettes on CHD:** Analyzed several risk factors of developing a coronary heart disease to understand the causal relationship of cigarette smoked per day as a factor in determining whether a patient suffers from Coronary Heart Disease.