

# Kanak Kokil

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## EDUCATION

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**HULT INTERNATIONAL BUSINESS SCHOOL – San Francisco, CA** August 2021 – September 2022

**Master of Science in Business Analytics | GPA: 4.0**

Coursework: Python, R, Machine Learning, Text Analytics, SQL, Data Visualization using Tableau, Data Mining

**BIRLA INSTITUTE OF TECHNOLOGY MESRA – India** August 2009 – May 2011

Master of Science (Engineering)

**SIKKIM MANIPAL INSTITUTE OF TECHNOLOGY – India** August 2005 – May 2009

Bachelor of Science (Engineering)

## EXPERIENCE

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**INFOSYS LTD. – Bangalore, India**

**Data Analyst**

November 2016 – June 2018

- Trained a logistic regression model in Python and Sklearn to predict the probability of a user defaulting on a payday loan with 95% accuracy for a US based client, increased revenue by 15%
  - Maximized F-1 on imbalanced data; monitored precision, recall, and Cohen's Kappa
  - Techniques used - feature engineering, variable selection over/under sampling, class weight, SMOTE
  - Developed a data pipeline using Python to extract and clean data from multiple sources and load into MySQL in preparation for further querying using SQL
- Trained a random forest model to optimize dollars spent on third-party lead providers for a US based financial client by predicting the profitability of a new customer, increased profitability by 20%
- Analyzed retirement saving patterns of 1M 401k US based employees and built an effective marketing strategy to engage them, increased Asset under Administration (AUA) by 2%
  - Collaborated with stakeholders to establish Key Performance Indicators and created dashboards in Tableau
  - Used advanced SQL such as Common Table Expressions (CTE), sub-queries, window functions and complex join to write efficient queries to transform raw data sources into easily accessible data
- Designed training (Python and SQL) and peer-mentoring programs for new hires

**Senior System Engineer (INFOSYS LTD. – Bangalore, India)**

October 2013 – October 2016

- Independently designed and implemented *Looking Glass module* that handled the data from the different SAP & non-SAP system and pushed into DataHub through composition and publication via cron job through HMC in Hybris side or by using Rest client URL
- Created SQL queries for Solr Index, and for search/display of products in PLP and PDP

**System Engineer (INFOSYS LTD. – Bangalore, India)**

August 2011 – September 2013

- End-to-end analysis of bug reports and resolved defects in Java, Oracle and Unix applications
- Proposed and implemented batching logic to maintain server stability, improving performance and avoid server crashes when receiving high volume of product related data

## PROJECTS

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**HOUSE PRICES - ADVANCED REGRESSION TECHNIQUES – Kaggle Competition**

- Trained a Random Forest model to predict house sales prices using in Python and Jupyter notebook

**TITANIC - MACHINE LEARNING FROM DISASTER – Kaggle Competition**

- Trained a logistic regression model to predict survival on the Titanic using passenger; reached top 25%

## ADDITIONAL

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**Technical:** Python, SQL, R, Machine learning, Tableau, Java, MS Office, Jupyter, Git, JIRA, Linux, AWS

**Certifications & Training:** Machine Learning Certificate (Coursera), Introduction to R (Datacamp)