

# Rohan Das

Adaptable. Resourceful. Inquisitive.

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Graduate Student with over two years of professional experience in data warehousing, business intelligence and UI/UX Design seeking an opportunity with an innovative organization. Proven ability to understand user requirements and translate into actionable project plans.

## WORK EXPERIENCE

### Asst. Manager - Reporting IDFC Bank

11/2017 – 04/2018  
Private Sector Bank

Mumbai, India

#### Achievements/Tasks

- Extensively worked on automation of manual tasks and performance tuning of long-running processes.
- Reduced the turnaround time of daily weekly reports by 30% by using dashboards & macros in MS Excel & Power BI.
- Analyzed & tuned ETL mappings & SQL queries to reduce run time of daily jobs by 10%.
- Developed SQL procedures to clean & manipulate 8,000,000 rows on MySQL.
- Collaborated with business teams to understand their challenges & came up with efficient solutions to meet their requirements.

### Analyst KPMG India

01/2016 – 06/2017  
Big Four accounting firm

Bangalore, India

#### Achievements/Tasks

- Designed, developed, implemented, & supported QlikView & Tableau dashboards.
- Integrated databases & built data models using Star & Snow Flake Schemas & resolved circular relational traps like fan trap, chasm trap, synthetic keys, & other modeling issues.
- Performed performance tuning, Query optimization & database consistency checks on existing BI systems.
- Extensively participated in translating business needs into Business Intelligence reporting solutions.

## EDUCATION

### Master of Science in Information Technology University of North Carolina at Charlotte

07/2018 – Present

4.0/4.0

#### Courses

- Cyber Security & Privacy
- Software Systems Design & Implementation
- HCI: Intelligent User Interfaces
- Applied Databases
- Algorithms & Data Structures.
- HCI: Human Centered Design

### Bachelor of Technology Manipal University

07/2011 – 05/2015

3.3

#### Courses

- Adv Calculus & Statistics.
- Intermediate Programming in C++.
- Information Systems.
- Adv Database Manag Systems I & II.

## SKILLS

Programming: Python, R, SQL, VBA, HTML5, CSS, JavaScript

Databases: MySQL, NoSQL, Oracle, MongoDB.

Data Visual: Tableau, Qlikview, MS Excel, PowerBI, Kibana.

Knowledge of Applied Mathematics, Statistics & Econometrics.

Experience in Agile/Scrum Methodology.

## PROJECTS & PAPERS

### Automated Data Scraping and Visualization Tool for Continental Automotive (08/2018 – 12/2018)

- Developed an automated tool for CONTINENTAL using **Python** and **MySQL** in the backend that scraps data from external resources by taking existing platforms/data sources & to report on **specific predictive analytics** inquiries involving a set of various statistical (**data mining**) techniques such as **forecasting** and **regression**, used to predict uncertain outcomes & present them using a **Tableau** dashboard.

### Online Retail Management System (09/2018 – 11/2018)

- Developed a **multimodal database** to manage an online video rental store using **Oracle** database in the backend and **HTML5** in the front end.

### Academic Paper: SOUS (Co-Creative Cooking Agent) (08/2018 – 12/2018)

- The paper describes ongoing work for an **intelligent system** designed to collaborate with humans and encourage culinary creativity.
- Developed a **prototype** co-creative **mobile application** to assist in cooking.
- We present the outcome of our efforts to create an artificial chef that produces novel recipes with limited human assistance and assists in cooking as well.

### Measuring Household Poverty Risk in Mumbai (02/2015 – 05/2015)

- Identify households at risk of poverty by applying **classification** methods.
- What are the most important metrics in predicting the risk of a household falling into poverty? Solution method: **Decision Tree**.
- What is the probability of a household being at risk of poverty conditional on each attribute? Solution method: **Bayesian Network**.
- Reported the findings of the study using a **Tableau** Dashboard.

### Sustainability in Odisha (07/2017 – 10/2017)

- Explored how the state of Odisha monitors their 85 Sustainable Development Goals and objectives related to the nature & dynamics of the state in an interactive **Tableau** dashboard. Thereby enabling the monitoring of results and reorientation of the development management in terms of public policies.

### INSTA-Manipal (08/2012 – 03/2013)

- Developed an **IOS** and **Android** based App for College Extracurricular Activities and Events, with 4 other team members.
- Single handedly implemented the **UI Design**.  
4000+ Downloads on the Play store.