

GAURAV HANDA

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Looking for Co-op/Internship from May 2020

SKILLS

- **Programming Languages:** R, Python, SQL, Java, and C++
- **Web Technologies:** HTML5, CSS3, JavaScript, Bootstrap, PHP
- **Tools:** Advance Excel, MySQL, Toad Data Modeler, MongoDB, RStudio, Jupyter, Tableau Prep, Tableau Desktop, PowerBI
- **Web Framework:** GitHub, MS Visio, Lucid chart, Google Analytics, Google Big Query, Flourish, Data wrapper
- **Library / Packages:** R (ggplot2, Caret, Tidy verse, dplyr), Python (Pandas, NumPy, Matplotlib, Scikit-Learn)
- **Machine Learning Algorithms:** Clustering, Regression, Classification tree, Random Forest, Naive Bayes, SVM, Neural networks

EDUCATION

Northeastern University, Boston, MA.

Candidate of Master of Science (MS) in **Data Analytics Engineering**.

May 2021

GPA: 3.68

Relevant Coursework: Machine learning, Data Mining, Probability & Statistics, Database Design and Management, Deterministic Operations Research, Data warehousing and Business Intelligence, Computation and Visualization.

Mumbai University, Mumbai, India.

Bachelor of Engineering (BE) in **Computer Science**.

May 2015

First Class

Relevant Coursework: Project Management, Discrete Structure & Graph theory, Data Structure and Files, Analysis of Algorithms & Design, Computer Organization and Architecture, Computer Networks, Web and Object-oriented software Engineering.

ACADEMIC PROJECTS

Reports and Dashboards | [Computation and Visualization](#)

Jan 2020 – Apr 2020

- Explored data for cleaning and manipulation to generate hypothesis and to discover patterns with outliers.
- Created interactive charts using **Flourish & Data wrapper** to embed in webpages for showcasing the insights that has been garnered.
- Designed real-time dashboards in **Tableau** and generated appropriate charts for the kind of relationship in data using **RStudio**.

Credit Default Detection | [Data Mining Engineering](#)

Jan 2020 – Apr 2020

- Implemented data mining techniques on training, validation and test dataset to compare the results of proportion of **predictive accuracy**, **error rates** to determine which model fits better and to determine the **probability** of default with highest accuracy.
- Used **Confusion Matrix** and **Lift chart** to compare the performance of each **ML algorithms**: K- Nearest Neighbor, Linear Discriminant Analysis, Naive Bayes, Support Vector Machine, Neural networks, Logistic regression, Classification Tree & Random Forest

Education Consulting Database | [Advance Database Design and Management](#)

Sept 2019 – Dec 2019

- Built ER model with Lucid chart and relational model in **Toad Data Modeler** to generate DDL scripts & populated database in **MySQL**
- Connected database to **Tableau** and **Python** and showed different trends in data through visualizations and implementation of joins, views, privileges, stored procedures and triggers that also satisfies **3NF** to achieve business goals

PROFESSIONAL EXPERIENCE

QUANTIPHI, INC. | Mumbai, India.

Sept 2017 – Sept 2018

Business Operations Analyst

- Collaborated with business and partner teams to understand product (“Athena’s Owl”) requirements and developed scenarios to implement the functionality of image recognition and audio-video high point detection using **Python**
- **Led a team** size of 45-50 resources by monitoring daily activities, tracking performance, supervising work for quality checks, reverse bench marking and accuracy analysis to prioritized deliverable which meets the KPIs of the product
- Transformed data to build quality dashboards in **Tableau** and communicated insights with stakeholders which led to a seamless integration of solutions, evangelizing the power of analytics

Consultant for Project: “Alphonso.tv”

- Used data wrangling techniques to gather data from no. of sources with **SQL** and **R**, and accumulate it in a prearranged format
- Explored data to find patterns using **What-if Analysis** for making critical decisions which led an increase of **30%** sales
- Cross-validated consistency of data across databases and user-interface utilizing **Google Big Query**
- Generated reports with **pivot charts**, **slicers** and **lookup** tables on **Excel** for monthly, quarterly and yearly basis

MT EDUCARE LIMITED. | Mumbai, India.

July 2015 – Mar 2017

Associate

- Analyzed product's (“Robomate+”) existing features and user data to initiate development of interactive features
- Developed efficient **SQL queries**, **ETL data flows** & reports to forecast trends impressions, conversions to facilitate strategic decisions
- Prepared and conducted demos through web conferences and in-person meetings to improve performance and approach of the end-user

TATA CONSULTANCY SERVICES. | Mumbai, India.

Aug 2014 – Mar 2015

Project Trainee for Final Year Project

- Revamped UI by using **HTML**, **CSS3**, **JavaScript**, **Bootstrap** & **PHP** for ERP product (“Equipmax”) to achieve time & space efficiency
- Collaborated with back-end developers in mapping back-end logic with front-end layers using **SDLC** and **Agile development methods**
- Documented procedure having all use cases with **flowcharts**, trained user teams and **presented** in front of senior managers and client