



# Umang Rana

Business Analyst

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in

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## ABOUT ME

Data Enthusiast skilled in business analysis with Excel, VB & SQL. Passionate about Python programming and Data Science. Currently Pursuing a Master's in Data Science. Management graduate with - Information Technology as lead specialization striving towards excellence in the field that cherishes the blend of technology, data, & management.

## KEY SKILLS

1. Adaptable to any working atmosphere, creative intelligence during work completion.
2. Specialized in MS-Excel Report Automation & Dashboards.
3. Team Player and a Mentor.
4. Multi tasking, Time-Management.
5. Critical Thinking & Work Ethic.

## TECHNICAL SKILLS

1. Programming/Scripting : HTML, CSS, Macro Programming, Python(Pandas, Numpy, ScikitLearn, Django).
2. Databases : MySQL, MS Access
3. Others : MS-Office Apps, Alteryx, PowerBI.
4. Linear Regression
5. Logistic Regression
6. Clustering Analysis
7. Exploratory Data Analysis(EDA)
8. Business Intelligence/ Statistical Analysis
9. Web Development

## PROFESSIONAL EXPERIENCE

### Business Analyst

Apr '20- Present

#### Ryan India Tax Services

Hyderabad

*Ryan is a global tax services, software, and technology firm providing an integrated suite of federal, state, local, and international tax services*

- Constructing Onboarding toolkits and doing required analysis for 50 + new clients as per the compliance.
- Constructed Deliverables toolkits , databases & automations using MS Access & Alteryx .
- Assisted in the acquisition, Data extraction, and transfer of client data.
- Facilitated in reconciling and analyzing of client Data Sets, and performs reconciliation of client data using MS Access, Microsoft SQL Server.
- Oversaw 100 + projects related to data importing, cleansing, transforming, validating or modeling data.
- Acknowledging to client & related ad-hoc queries with regards to updates and changes in the data automation & Present data.
- Developed reports and dashboards for senior management to gauge the metrics of individual and the process.
  - The reports may include Top Performers Report, **CSAT**(Client Satisfactory Results) report, **Pareto Analysis** for gauging quality etc.

### Business Analyst

May '18- May '19

#### HRH-Next India Private Limited

Hyderabad

*HRH-Next is Business Process Outsourcing company that delivers outsourcing services to Clients like Swiggy, O2Spa, Vijaya Diagnostics, Vodafone-Idea etc.*

- Worked as Business Analyst for SWIGGY Process to conduct various analysis on Quality & Training LOBs.
- Report Automation & Dashboards, Preparing reports on Daily/Weekly/Monthly basis which enables our management, client and operations at various levels to perform the reviews, decision-making, analysis, implementation and feedback process. Prepare actions plans to overcome SLA deviations Ensure teams performance is in line with their KRA's & supervise their deliverables on timely basis.
- Conducting Pareto Analysis on Daily, Weekly & Monthly Basis, Root Cause Analysis on revenue leakages. Prepare actions plans to overcome SLA deviations.

## EDUCATION

### Executive PG Program in Data Science

Oct '21- Present

#### International Institute of Information Technology - Bangalore

*Karnataka, Bengaluru*

### Bachelor In Business Administration (IT - Specialization) - Grade : 'O' - 9.6/10 CGPA

Jun '17- Jun '20

#### St. Joseph's Degree and PG College, Hyderabad

Hyderabad

*Osmania University, Hyderabad, Telangana*

## PROJECTS - Linear Regression

1) **Bike-Sharing Demand Prediction**: Created a **Linear Regression Model** that can help a Bike-sharing company BoomBikes to increase their revenue by focusing on key factors like temperature, season, weather situations, and calendar months and determine how much all these factors affect and contribute to the target factor of bike demands/Sales.

**Project Link** : <https://github.com/umangrana/Bike-Sharing-Demand-Prediction>

## CERTIFICATIONS/ACHIEVEMENTS

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- Certified in SQL(HackerRank)
- Certified in Web Application Development
- Certified in Financial Markets and Derivatives course.
- Certified in BEC (Business English Certificate – Preliminary) with merit (In Association with Cambridge University)
- Academic Topper for Year 2018-19 with Highest Marks-Rank-1
- Certified in MS Office Apps
- Certified in Lean Six Sigma Foundations(LinkedIn Learning)

**2)Car Price Prediction CarDekho-Dataset:** The given project is a car price prediction project using a linear regression model of a known company Car Dekho which is in the business of selling second-hand cars, it is India's leading car search venture. The Model will predict the price of a second-hand car on a variety of factors such as mileage, Kilometers-driven, Engine(CC), etc

**Project Link :** <https://github.com/umangrana/Car-Price-Prediction---CarDekho-Dataset>

**Programming Language & Libraries Used :** Python, Numpy, Pandas, Seaborn, Matplotlib, ScikitLearn, Statsmodel

### Tasks Conducted:

- **Data Cleaning & various sanity checks**
- **Data Analysis(EDA)**
- **Data Visualization & Inferences**
- **Data Preprocessing**
- **Train-Test Split, Feature Rescaling**
- **Model Building, Model Testing , Prediction & Model Evaluation**

## PROJECTS : Logistic Regression

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**1) Sales Lead Prediction:** The given project is about X Education which sells online courses to industry professionals. Now, although X Education gets a lot of leads, its lead conversion rate is very poor. X Education wants to know what factors will help them to know most promising leads. Thus, I have used Logistic regression that predicts whether a sales lead will be converted or not.

**Project Link :** <https://github.com/umangrana/Sales-Lead-Prediction---Lead-Scoring>

**2)Heart Disease Prediction:** The project is about predicting Heart Disease in Humans, The logistic regression model is trained on past data for around 1000 patients, The model can predict whether you have heart disease based on a variety of parameters like cholesterol levels, sugar levels, Blood pressure, etc. with an approximate accuracy of 84%.

**Project Link :** <https://github.com/umangrana/Heart-Disease-Prediction>

**Programming Language & Libraries Used :** Python, Numpy, Pandas, Seaborn, Matplotlib, ScikitLearn, Statsmodel

### Tasks Conducted:

- **Data Cleaning & various sanity checks**
- **Data Preprocessing**
- **Train-Test Split, Feature Rescaling**
- **Model Building**
- **Model Testing ,Prediction & Model Evaluation**

## PROJECTS - Credit-EDA Case Study

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This case study-project aims to perform **Exploratory Data Analysis** to identify patterns which indicate if a client has difficulty paying their installments which may be used for taking actions. This will ensure that the consumers capable of repaying the loan are not rejected. Identification of such applicants using EDA is the aim of this case study.

**Programming Language & Libraries Used :** Python, Numpy, Pandas, Seaborn, Matplotlib.

### Tasks Conducted:

- **Data Cleaning & various sanity checks**
- **Outlier Analysis & Binning**
- **Data Analysis(Univariate & Bivariate Analysis)**
- **Data Visualization & Inferences**
- **Correlations, Heatmaps & Top 10 Target variables**

- **Conclusion & Recommendations**

**Project Link :** <https://github.com/umangrana/Credit-EDA-Case-Study>

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## **PROJECTS - Full Stack Web Application (TuitionWala)**

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Tuition Enrollment system project explains about a application through which students from different locations can access Tuition information and take admissions. Using this system time for application process will be reduced and students who are located geographically can fill admissions forms

- **Features:**

- Allows user to create single account & login it can be a student/tutor/institute.
- Lists all Educational Institutions, their admission processes, fees, etc on the portal
- Using the same account, the users can select multiple courses and institutions to apply to.
- Access their own profile to see the status of each application. • Enables the registered institute/tutor to check the no of applicants and approve the same.

- **Technologies used:**

- Web Framework: Django Web Framework with Python
- Database: SQLite/MySQL

- **Website link:** <http://umangrana.pythonanywhere.com>

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## **PROJECTS - Voice Assistant(Mike)**

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Created my own voice assistant using Python that could do all the basic tasks that I do to simplify my day-to-day routine, it is similar to Alexa/Cortana. For tutorials refer to my LinkedIn activity/posts.