

# JOSHUA MIRANDA

DATA ANALYST

✉ joshuamiranda2110@gmail.com 🌐 JoshuaMiranda.github.io/ ☎ +91 7738839044 📍 Mumbai, Maharastra, India  
in /in/joshua-miranda21/ 📺 JoshhMiranda

## EDUCATION

<b>St. Xavier's College</b> M.Sc Big Data Analytics CGPA: 9.81/10 Relevant Coursework: 1) Advanced Python and Statistics 2) Econometrics 3) Machine Learning and Deep Learning 4) Data Visualization and Modelling 5) Cloud Computing	Aug. 2020 - Current	<b>St. Xavier's College</b> B.Sc Information Technology CGPA: 3.33/4 Relevant Coursework: 1) Data Structures and Algorithms 2) DBMS 3) Linear Algebra 4) Programming Fundamentals	June 2017 - Apr. 2020
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## PROFESSIONAL EXPERIENCE

<b>The Sparks Foundation, Data Science and Business Analytics Intern, Mumbai</b> -Built and trained a Decision Tree Classifier for predictive analysis on the Iris Data set. -Developed dashboards and visualizations in Tableau to analyze the spread of COVID globally.	July 2021 - Aug. 2021
<b>The Wanderers Travel, Operations Intern, Mumbai</b> - Worked closely with 3 departments namely Social Media, Marketing, and Leisure. - Designed social media posts and handled blogs and also frequently updated the company website. - Created itineraries for 8 tours and prepared budget sheets for the same in Excel. - Participated in public events and workshops.	Mar. 2019 - June 2019

## SKILLS

**LANGUAGES AND FRAMEWORKS:** Python, R (R Studio), SQL, Excel, Power BI, Tableau, Tensorflow, Keras, Hadoop, Java  
**TECHNICAL SKILLS:** Classification (KNN, SVM, Naive Bayes, Random Forest), Clustering (Kmeans, DBSCAN, Hierarchical), Regression (Linear, Logistic, Multiple), Deep Learning, ANOVA and T testing, Gradient Boosting, Data Analysis and Visualization, Natural Language Processing

## PROJECTS

<b>Music Analysis, Recommendation and Streaming</b> -Collaborated with a team of four members to develop a free-to-use music streaming service. -Designed the recommendation algorithm that the service would rely on to create personalized playlists based on user sentiments and streaming history. -Resulted in a successful web application deployed on AWS and Heroku, with a music catalog spanning over 24 genres and 17,000 songs in English and Spanish.	Feb. 2021 - May 2021
<b>Customer Segmentation using RFM analysis and CLV</b> - Preprocessed, cleaned, and transformed a 20,000-row dataset containing yearly transaction data of a business. - Performed data wrangling and feature engineering in Python and identified the top 100 most valuable customers of the business by performing RFM analysis. - Calculated the revenue the business can expect from an average customer, most valuable customers using Customer Lifetime Value analysis and total revenue that can be expected from all customers on a monthly basis.	Oct. 2021 - Nov. 2021
<b>Bank Telemarketing Campaign Prediction</b> - Utilized Python to develop and train several supervised Machine Learning models to predict if a customer would subscribe to a term deposit. - Preprocessed, cleaned, and transformed the dataset of 45,00 rows, which contained qualitative and quantitative features of customers, and performed EDA on the same in Tableau to gain insights. - Employed hyperparameter tuning through GridSearchCV to improve overall model performance. - Showcased model performance using visualizations.	July 2021 - Aug. 2021

## EXTRA CURRICULAR

**Data Summit Competition by SIES College, Runner Up, Aug. 2021**  
**Data Science Club, Founder**  
**Stock Market Analysis and Investment Group, Active Participant**  
**KPMG Data Analytics Virtual Experience Program (6 hours), Participant, Oct. 2021**