SHIVAM PATEL

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# EDUCATION

## University of Illinois Chicago | Chicago, IL Aug 2020-Dec-2023

Bachelor of Science in Data Science

Courses: Data Structures, Data Visualization, Data Scrapping, Data Mining, Business Data Analytics, Data Optimization, Big Data, Probability and Statistics, Application of Statistical Method I, Application of Statistical Method II, Operations, Lean, Robotics.

**Chanderbala Modi Academy |** Ankleshwar, INDIA **July 2020**

High School (Class XII) CBSE Board

# TECHNICAL SKILLS

**Core Competencies:** Statistics, Machine Learning, Big Data, Data Optimization, Data Wrangling, Data Scrapping **Software/ Languages:** Advanced Excel, Power BI, Tableau, R, Python, MYSQL, C++, Matlab, Jupyter, Anaconda **Lean Tools:** 5 Why's, Value Stream Mapping, Mistake Proofing, Kanban, Kaizen

**Certifications:** AWS-Cloud Foundation, AWS-Data Engineering

# PROFESSIONAL EXPERIENCE

## Data Analyst Intern | Apex Healthcare USA Inc |New Brunswick, NJ Jan 2024 – Present

* Designed and implemented dynamic reports and dashboard on weekly basis, providing real-time insights to domestic and international market.
* Collaborated effectively with cross-functional teams, including overseas team and marketing professionals, to analyze market trends and optimize data utilization for optimized production.

## Computer Specialist | UIC-Technology Solutions |Chicago, IL June 2022 – Dec 2023

* Assisted UIC student, Faculty and Staff Regarding their institutional Account.
* Explained technical information in clear terms to non-technical individuals to promote better understanding.
* Completed routine and complex software installations, assisting users of various levels of computer sophistication in operation of new and existing software.

**Data Handler | Bonny Chemicals |** Ankleshwar, IND **Mar 2019 - Nov 2020**

* Reported daily raw inventory levels, critical backlogs, quarterly inventory targets using MYSQL, R studio and Power BI for Data Storage and Networking business.
* Analyzed forecast attainment of products and recommended strategies to control purchases of under attaining materials.
* Collaborated with demand planning team to monitor excess materials.

# ACADEMIC PROJECTS

## Real-Estate Price Prediction | University of Illinois Chicago Jan 2022 - May 2022

* Utilized data from Zillow and Apartments.com using data scrapping and API method to develop a machine learning model predicting house and apartment prices based on key features.
* Achieved 93% accuracy with an SVM regression model for specific zip-code near UIC, aiming to assist UIC-students living nearby off-campus.

## Online Shoppers Purchasing Intention | University of Illinois Chicago Jan 2022 - May 2022

* Visualized dataset in Tableau to see distributions of the variables and shopping sessions analysis on weekend.
* Performed EDA and selected efficient variables for modeling through the Backward Elimination method.
* Designed classification pipeline models with oversampling method (SMOTE) and hyper-parameter tuning in python.

## Database system for E-commerce website | Falcon Fitness Club Jan 2021 - May 2021

* Developed a MySQL relational database for an E-commerce business to analyze trends in products, monitor customer spending, identify target demographics, track deliveries, and formulate growth strategies.

## DNA Profiling Application-Data Structure | University of Illinois Chicago Aug 2021 - Dec 2021

* Developed an app that constructs DNA strands using the ‘ourvector’ implementation and matches them to a database. Incorporated a user-friendly menu interface, emphasizing modular coding and iterative testing for robust development.

## Heart Rate Analysis | University of Illinois Chicago Jan 2022 - May 2022

* Analyzed the correlation between Heart rate and dive duration on the provided data using ggplot2 and linear modeling. Applied statistical methods related to null hypothesis and used different predictors.