

Ridhi Shah

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TECHNICAL SKILLS

- ❖ **Programming languages:** Python, R, SAS, Stata, JavaScript, SQL, PL/SQL, Excel VBA, Java, PHP, HTML, CSS, Git
- ❖ **Parallel Computing:** Apache Spark, GCP, Big Query, Apache Hive, Hadoop, NoSQL
- ❖ **Data Visualization:** Tableau, D3.js, R Shiny, Power BI, Python(Matplotlib), R(ggplot)
- ❖ **Database:** MySQL, MongoDB, Oracle, PostgreSQL
- ❖ **Tools/Applications:** SAS E-Guide, SAS Text-Miner, Google Analytics, Git, MS Office, Jupyter, Docker
- ❖ **Frameworks:** PySpark, Scikit-Learn, NumPy, Pandas, SciPy, NLTK, PyTorch, Keras, R(dplyr, caret, tidy)

EDUCATION

- **Master's in Data Science & Business Analytics** Aug '19 - Dec '20
University of North Carolina at Charlotte, NC
GPA: 4.0 / 4.0
Courses: Big Data Analytics, Visual Analytics, Advanced Business Intelligence, Machine Learning
- **Bachelor of Technology in Computer Engineering** Aug '16 – May '19
K. J. Somaiya College of Engineering, Mumbai, India
GPA: 3.9 / 4.0

EXPERIENCE

- **Data Scientist Intern at Prolytics** – Charlotte, NC Jun '20 – Present
• Working on sports analytics for PGA tournament. [www.prolytics.com]
• Predicting and generating lineups for DraftKings
- **Business Analyst Intern at Digital Factory Inc.** – Chicago, IL Jun '20 – Present
• Building out PRESENT Dashboard Admin Portal to enable for faster customer onboarding. [www.dgtl-factory.com]
• Creating product roadmap and product strategy, managing implementation of the project and working as a SCRUM Master for the team.
- **Machine Learning Intern at STEM-Away** – Santa Clara, CA May '20 – July '20
• Web scraped data from different forums along with meta-data, performed and analysing data. [www.stemaway.com]
• Built Topic Recommendation System for Discourse forums and deployed with AWS.
- **Graduate Researcher at School of Data Science**, UNC Charlotte Dec '19 – May '20
• Researching on sentimental analysis of News Conferences & Companies(2000+) Transcripts.
• Extracting, cleaning, wrangling and analysing the data collected from Conferences in LexisNexis.
- **Marketing Analyst Intern at Qrius** - Mumbai, India Jun '18 – Jul '18
• Conducted analysis of Marketing data trends and research using Python; and collaborated with marketing stakeholders to turn discovered insights into operational knowledge and enhancement. [www.qrius.com]
• Built robust dashboards and other analytics assets as Marketing thesis based on actionable insights.
- **Web Manager Analyst Intern at Tsara** - Mumbai, India Jun '17- Aug '17
• Collected, organized, edited, and managed assets related to ongoing content updates and monitor the progress of projects to successfully launch products on time. [www.tsara.in]
• Provided reports from Google Web Analytics and recommend improvements to the site experience.

PROJECTS

- ❖ **COVID Mobility Tracker - MIT BTP** (Python, Flask, HTML, CSS, plotly) [[Github](#)]
Constructed web app to help the policy makers, government and vulnerable population to identify the infection rate or covid infection risk index for their location. Leveraged different Machine learning models for the prediction with mobility.
- ❖ **Patient Health Analysis - WiDS 2020** (Python, Google Cloud Studio, Machine Learning, Neural Network) [[Github](#)]
Predicted patient's survival using Machine Learning and Statistical Methods on 130,000+ hospital ICU visits. Employed the ensemble learning Random Forest, XGBoost and Logistic Regression with Hyperparameter tuning.
- ❖ **Teradata Universe Data Challenge** (R, Tableau, Azure) [[Github](#)]
Examining, analyzing, and visualizing the non-profit organization's (Taproot Foundation) data and presenting their findings and actionable recommendations using Tableau.
- ❖ **Credit Card Fraud Detection** (Python) [[Github](#)]
Built model to recognize fraud transactions with Anomaly detection using different Machine Learning Algorithms.
- ❖ **Workers' Compensation Claims Processing Analysis** (Tableau, R, Excel, SAS) [[Report](#)]
Performed data wrangling on data with over 2.5 million records adjusted for inconsistent records. Evaluated and built models using logistic regression, clustering and decision tree, incorporating text analytics and visualized the findings.
- ❖ **Libromitra – Smart Inventory Software** (SQL, Python, HTML, CS, PHP) [[Github](#)]
Designed software with prediction system embedded in the software for high sales to improve performance of business. Evaluated and built ARIMA model in Python for forecasting sales with time series analysis.

PAPERS & PUBLICATIONS

- ❖ Analysis on Image Compression and Encryption International Journal of Innovative Research in Computer & Communication Engineering 2018, ISSN: 2320-9801, PP: 136. [[link](#)]
- ❖ Libromitra – A system for prediction and Recommendation [[link](#)]
- ❖ Analysis on HTML Encrypter. International Journal on Recent and Innovation Trends in Computing and Communication 2016, ISSN: 2321-8169, PP: 102 [[link](#)]