

Ameya Shirke

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SUMMARY

- Business Analytics and Project Management student at the University of Connecticut with 4-years of experience in the Analytics and Consultancy domain. Adept at performing data analysis and providing data-backed insights to stakeholders. Seeking full-time internships in summer 2022

TECHNICAL SKILLS

- Cloud: AWS S3, EC2, Lambda
- Tools & Languages: **SQL, Python, Hadoop, R, SAS, MS Excel** (Advanced), Airflow, AWS Redshift, **Tableau**, Redash
- Statistics/ Machine Learning: EDA, Linear/Logistic Regression, Time Series, Dimensionality Reduction, Classification, Clustering
- Techniques: Data Analytics | Forecasting | Data Mining | Machine Learning | Data Visualization | Healthcare Analytics | Problem Solving | Dashboarding | Master Data Management | Data Science | Databases

EDUCATION

Master of Science, Business Analytics and Project Management

University of Connecticut, Hartford

Dec'22

- Predictive Modeling | Statistics in Business | Data Management & Process modeling | Visual Analytics | Data Science
- **CGPA - 4.0/4.0**

Bachelor of Engineering in Computer Engineering

D.J Sanghvi College of Engineering, Mumbai, India

May'17

- **CGPA - 8.0/10.0**

WORK EXPERIENCE

Disney Hotstar, Senior Executive – Analytics, Mumbai, India

Sep'20 – July'21

Strategy and Subscriber Churn/Acquisition

- Built a churn model in Python using ML libraries to identify and target subscribers likely to churn and thereby increased subscription renewal rate by 5%
- Automated end-to-end process using SQL queries and Airflow for tracking important KPIs for the world's largest cricket tournament and brought down the dashboard refresh time by 30%
- Performed cohort analysis using SQL queries to identify opportunities to boost subscriber engagement
- Developed ETL scripts to power various dashboards and to perform analysis on aggregated data
- Assisted the Strategy pod in identifying possibilities to increase user acquisition

IQVIA, Analytics Consultant, Pune, India

Jun'18– Sep'20

Enterprise Datawarehouse Operation

- Developed and optimized ETL scripts in AWS Redshift to enable daily processing of data sets into the data warehouse
- Proactively identified, managed, and corrected data quality issues with reports provided to managers/clients
- Designed fact, dimension tables and created views for reporting purposes
- Developed data quality checks and business logic in SQL
- Co-ordination with various stakeholders and providing timely updates on various ongoing tasks

Diabetes prevalence prediction and market study

- Performed time-series forecast in R to predict the prevalence of diabetes among different ethnicities and age groups
- Developed a Tableau dashboard to give an overview of the diabetes market to help in decision-making in pre-drug launch stage

Mu Sigma Business Solutions Pvt. Ltd, Trainee Decision Scientist, Bengaluru, India

Sep'17 – May '18

- Developed finance dashboard in Tableau to get an overview of the overall performance of various molecules
- Automated data refresh process – refresh time reduced to 1 day from 2.5 days i.e., ~50% and thus we were able to complete the refresh process in a single day

ACADEMIC PROJECTS

Identifying potential churn customers for credit card service provider

- Created a classification model by evaluating different models such as Naive Bayes, Logistic Regression, KNN, Decision Tree, and Random Forest to identify consumers who are likely to churn

Predicting house price in California using various regression techniques

- Built a house price prediction model using the given data and comparing multiple regression techniques such as Linear, Decision Tree, and Random Forest regressors to find the least RMSE and obtain the best fit

Created a Tableau Dashboard on Twitter Dataset ([Dashboard Link](#))

- Provides a summary of Tweets data, including the top ten tweets, average impression, engagement rate, and tweets by day, week, and weekday