

Education

W. P. Carey School of Business at Arizona State University
MSc Information Systems Management - Data Analytics - 4.0 GPA

August 2019-August 2020 (Anticipated)
Tempe, AZ

Xavier Institute of Engineering at University of Mumbai
Bachelor of Engineering - Computer Engineering

June 2013-August 2017
Mumbai, India

Coursework: Data Mining, Business Intelligence, AI in Business, Data Visualization, Analysis of Algorithms, Database Management Systems, Business Process Analysis, Theoretical Computing, InfoSecurity Control, Emerging Technologies

Professional Qualifications

Programming Languages	: Python, JavaScript, PHP, R, Java
Databases	: MySQL, PostgreSQL, MongoDB
Data Analytics	: Microsoft Azure ML, Pandas, Numpy, Scikit-learn, Seaborn, Matplotlib
Data Visualization	: Tableau, Power BI, Microsoft Excel
Tools	: REST API development, Github, AWS, Docker, Android Studio, MS Office, G Suite
Operating System	: Linux, MacOS, Windows

Professional Experience

Software Engineer

January 2018-July 2019

Ambab Infotech

Mumbai, India

- Delivered full-stack Web Apps using agile and scrum methodologies on the Laravel framework with React.
- Queried large datasets in MySQL, PostgreSQL and MongoDB to process data through the application.
- Developed APIs based on REST architecture and optimized previous existing APIs by 24% .
- Single handedly programmed the backend administrator panel from scratch in laravel for multiple projects.
- Implemented AWS storage services in projects migrating data to cloud based solutions through custom scripts.
- Handled client project presentations and user requirement gathering and impact analysis.
- Coordinated with external firms across different states, providing feature support and maintenance.

Academic Projects

Netflix - User recommendation system using LDA (Python, Tableau, AWS)

- Scraped user reviews and data of Netflix shows from reddit's API by utilizing python (praw) to collect the data.
- Pre-processed, fixed inconsistencies/missing values and used TF-IDF to predict word significance in the corpus.
- Stored the data in AWS S3 buckets in a structured format through custom scripting.
- Performed Sentiment Analysis by utilizing LDA to identify if each review was positive, negative or neutral.
- Conducted Exploratory & Explanatory analysis, visualizing the results in Tableau.
- Provided recommendations to users, based on shows previously rated positive (Model achieved an F1 score of .86).

Santander - Predicting customer satisfaction (Azure ML, Python, Excel)

- Performed data-cleaning and transformed the data through normalization.
- Conducted feature based selection using Chi-squared and Pearson's correlation methods.
- Utilized SMOTE Synthetic Minority Oversampling Technique in order to balance the samples in the dataset.
- Explored the implementation of different algorithms like Random Forest, Two-Class Boosted Decision, SVM, KNN, Logistic Regression and Two-Class Neural Network, applying Hyperparameter Tuning to test variations.
- Assigned data points to clusters, identifying minority cases and anomalies.
- Created an Ensemble from multiple models taking Majority Voting, AVG and MAX probabilities into account.

MotorTrend - Visualizing automotive data (R, Tableau)

- Created Scatter Plots, control charts and forecasts depicting market trends for the automotive sector.
- Visualized the data through correlation Heatmap and a Three-axis chart in R.
- Depicted region based sales in the dataset using custom Geospatial Maps.
- Implemented a custom Dashboard showcasing various different graphs and charts.

Professional Development

Student Web Developer at Arizona State University

February 2020

- Wordpress development for SSEBE, working with Prof. Barzin Mobasher to develop his faculty website.