

EDUCATION

University of Illinois at Chicago

Master of Science, Business Analytics

Relevant Coursework: Data Mining, Big Data Analytics, Machine Learning, Advanced Text Analytics

December 2022

GPA 4.0/4.0

NIIT University, Neemrana, India

Bachelor of Technology, Computer Science and Engineering

Relevant Coursework: Natural Language Processing, Inferential Statistics, Data Structures, Big Data Concepts

September 2017

SKILLS

- **MACHINE LEARNING:** Neural Network, Natural Language Processing, Sentiment Analysis, Deep Learning, Supervised and Unsupervised Learning, Dimensionality Reduction, Hypothesis Testing
- **ALGORITHMS:** k-NN, Naïve Bayes, SVM, Bagging, Decision Trees, Regression, XGBoost, AdaBoost
- **PROGRAMMING:** R, Python, PL/SQL, C++, Java, HTML/CSS, MySQL, SQLite, DB2
- **LIBRARIES:** ggplot, Dplyr, Caret, e1071, NumPy, Matplotlib, Pandas, Sci-kit Learn
- **FRAMEWORK, TOOLS & PLATFORMS:** SQL Server Management Studio, Power BI, Tableau, SSAS, SSIS, R Studio, Android Studio

WORK EXPERIENCE

Data Analyst

December 2017- March 2021

Tech Mahindra Limited, Pune, India

- Led and guided development, deployment of three 6000 hrs.+ PMTs with technologies involving PL/SQL, Oracle, and Java
- Optimized the Process Order increasing efficiency by 600% saving 6+ hours daily of application and resource time
- Developed automated tool for processing client request using PL/SQL and VB macro script resulting in efficient data collection and 20% reduction in turnaround time
- Devised a new client-friendly solution of ticket change request platform using Oracle, Java reducing 8% of the application cost
- Introduced a new business flow using Java, PL/SQL, and shell scripting to view the billing records immediately after each transaction which increased year-on-year revenue by 15%
- Integrated a disaster management tool for smooth workflow using DB2 queries, Oracle saving 5% overhead cost
- Oversaw additional scope validation workshop over the current contract taken forward as Change Management process

Data Science Intern

January 2017 - June 2017

Indian Space Research Organization (ISRO), Ahmedabad, India

- Implemented a new search engine based on Natural Language Processing for categorizing the contents and nullifying redundancy, improving results over 55%
- Optimized search engine results using Hadoop Distributed File System using 40% of less memory and 30% fewer hours
- Enhanced the front end of search engine using PHP and CSS to view the file storage and information
- Conducted weekly meetings and status calls with cross functional teams for smooth transition of application and technology

PROJECTS

Medical Diagnosis: Cancer Detection (R, RStudio, R Markdown, EXCEL)

August 2021 - December 2021

- Established decision tree model and C&R model to predict breast cancer occurrence
- Derived strong rules, major predictors, and various classification approaches to achieve an 82.4% precision level

Phishing Attack Model (R, RStudio, R Markdown, EXCEL)

August 2021 – December 2021

- Devised machine learning models to detect website phishing, using the data set from UCI Machine Learning Repository
- Constructed models such as Decision Trees, Naive Bayes, and ensemble learning methods like Random Forests to detect phishing websites from the legitimate
- Used Cross Validation techniques to compare the performance of the models and estimated the accuracy of the predictions

Predicting Cryptocurrency Trend for Bitcoin and Ethereum (Python, LSTM)

August 2021 – December 2021

- Performed Sentiment Analysis and Polarity Analysis for to analyze whether global news has any influence on the price of Cryptocurrency.
- Predicted the Bitcoin and Ethereum Price using LSTM model for the next 60 days.

KEY ACHIEVEMENTS

- Received Highest Performance Rating at Tech Mahindra (2019)
- Received Tech Mahindra Bravo Award (2018,2019)