Bharati Gawali

bharatis@buffalo.edu | (716) 617-9421 | https://www.linkedin.com/in/bharatigawali/

EDUCATION

University at Buffalo, The State University of New York | New York, USA **Anticipated Dec'2022**
Master of Science, Data Sciences and Applications
Coursework: Database Management Systems, Probability and Data Analysis, Statistical Data Mining, Machine Learning.

D.Y. Patil College of Engineering | Pune, India **Jun'2012 – May'2016**
Bachelor of Engineering, Mechanical Engineering
Coursework: Multivariate calculus, Linear Algebra, Probability and Statistics, Differential Equations.

TECHNICAL SKILLS

- **Languages/Tools:** Python, R, SQL, Tableau, Power BI, MS Excel.
- **Databases:** MySQL, Oracle, AWS, SQLite, PostgreSQL.
- **Statistical Modelling/Machine Learning:** Linear/Logistic Regression, Ridge/Lasso Regularization, Decision Trees, Random Forests, Extra Trees, GBM, KNN, SVM, Naive Bayes, Neural Networks, Clustering, PCA.
- **Libraries:** NumPy, Pandas, Matplotlib, Seaborn, Scikit-Learn, SciPy, NLTK, Beautiful Soup, OpenCV, ggplot, dplyr, tidyr.
- **Competencies:** Data Mining, Data Analysis, Statistical Analysis, Predictive Analytics, and e-Commerce Marketing.

PROFESSIONAL EXPERIENCE

Infinarc Engineering LLP. | Pune, India **Sep'2016 – Nov'2020**
Associate Product Data Analyst (Master data management Team)
- Researched on thorough Metadata and analyzed to make sure that all sensitive data has been identified, and developed reports as needed.
- Utilized business knowledge to ensure data supports project goals and analyzed product performance of electrical sector products to identify bottlenecks in meeting production.
- Led data cleanup project and improved data quality by 80% by implementing analytical dashboards in PowerBI.
- Redesigned training on standard data management processes and created process training documents and presentation.
- Devised insightful data visualization based on the statistical analysis of energy optimization on PowerBI to track operating parameters by extracting data from SQL Database.
- Presented data insights and recommendations to key stakeholders by developing insights based on data analysis and optimized product performance to 27%.
- Located and implemented new process improvement ideas and opportunities.

PROJECTS

Product Data Management and QA Testing – Sevak Home Automation **Mar'2018- Sep'2019**
- Collected, build, and reviewed large data sets.
- Managed Data using Microsoft excel, PLM, Oracle PDH and PowerBI software.
- Supervised large volume data and assessed the same data for extracting relevant patterns.
- Spearheaded for preparation of defect management, communication, and Test Scope sections of test plan.
- Prepared testing metrics of project and track metrics with respect to organization goals.

AEM Digital Marketing – Front End Marketing **Oct'2019-Nov'2020**
- Organized technical attributes and filters on model tab of different catalogs in the Adobe Experience Manager (AEM) tool for e-commerce business and plotted filters insights by using Power BI application.

Marketing Data Analysis **Apr'2017- Feb'2018**
- Arranged internal reporting dashboards for offshore team to understand client's point of view and translate it into sound judgement calls in ambiguous analytical situation.

Wildfires in the United States (Skill Python) **Sep'2021 – Dec'2021**
- Objective: To investigate and forecast future of wildfires in the United States.
- Solution: Applied different machine learning algorithms to compare performance and explained its future scope.
- Accomplishment: Random Forest model had highest accuracy of 61.05%.

To classify the earthquakes which triggers the Tsunami (Skill R) **Sep'2021 -Dec'201**
- Objective: To generate an end–to-end system, helps us to predict beforehand if a potential earthquake will have secondary effects like a tsunami.
- Solution: Performed data wrangling on earthquake dataset using different data science techniques to provide new predictive and prescriptive insights.
- Accomplishment: Executed different machine learning algorithms to compare performance and Tree-based model Boosting had highest accuracy of 80%.

CERTIFICATIONS:

- IBM Professional Data Science Certification, Coursera **Jul'2020**
- Advance Diploma in Software Testing certification from Seed Infotech, Pune **Jun'2017-May'2018**