

Mohanish Pradeep

mpgunaga@gmail.com, mxp210040@utdallas.edu | M: (945) 244 7096 | Dallas, Texas |
[LinkedIn](#) [GitHub](#)

PROFESSIONAL EXPERIENCE

Project Management Analyst | Anand Associates, India

Jun 2019 - Feb 2022

- Led Extraction of Primavera data into Power BI using Power Query, enabling near real-time dashboards for proactive management of overlapping activities and inventory utilization leading to reduction of cost by 15%.
- Leveraged Microsoft Power Automate to parse unstructured invoice data, facilitating precise cost management and inventory management by scrutinizing stock levels and monitoring consumption patterns.
- Collaborated with geotechnical engineers to analyze soil reports, employed python libraries such as Numpy, Matplotlib for data manipulation and visualization to suggest suitable ground improvement and design changes for construction projects.
- Leveraged total station points for precision measurements, layout, and marking ensuring accurate positioning of construction elements in tune with design plans, resulting in quality control for maintaining construction standards.
- Led an effort to improve worker safety by collecting and analyzing incident reports, performed EDA and suggested feedback.

MMG Construction: Customer Satisfaction Analysis and Enhancement Project

- Gathered data from multiple sources, aggregated and manipulated to perform analysis, and created dashboards in Power BI.
- Engaged and collaborated with internal stakeholders, maintained analytical reports and dashboards using Power BI (Customer Retention, Sales Analysis) to effectively track evolving business initiatives and heightening customer satisfaction.
- Boosted profits by 25% through customer discovery, employing excel based reports for effective business strategy and business processes for consumer market.

Project Management Trainee | Build Axis Architects and Engineers

Jul 2016 - Aug 2017

- Oversaw \$3M worth of client projects and optimized operations, resource planning through Excel-driven budgeting, achieving an 8 % savings in cost, demonstrating a strong understanding of Operational process.

PROJECTS

Credit card fraud detection Analysis || Python, PolynomialFeatures, GridSearch CV, Pipeline, Seaborn

- Enhanced the model with advanced pre-processing (SMOTE, one-hot encoding, normalization, feature engineering).
- Utilized supervised and unsupervised models (Logistic regression, KNN, Random Forest, Naïve Bayes, SVM, PCA+RF).
- Implemented hyperparameter tuning and iterative optimization, achieving 80% recall.

Strategic Insights for sales Acceleration || NLP, Excel functions, PivotTables

- Developed dynamic visualization dashboards for strategic planning, calculated price elasticity for multiple brands to gain into consumer behavior. Chosen among top teams to present the project to the company.
- Conducted NLP analysis for sentiment classification of Brand reviews from online Platforms.

Enhancing Rice Crop Discovery benchmark with Advanced ML Techniques

- Significantly improved accuracy compared to benchmark model through advanced scaling and ML models (SVM, KNN, Random Forest, Gradient boosting and Ensemble) utilizing the best model for predicting with more than 90% accuracy.
- Utilized one year of crop phenology data, implemented filtering techniques for error reduction resulting in enhanced accuracy.

EDUCATION

The University of Texas at Dallas

May 2024

Master of Science, Business Analytics

Rastreeya Vidyalaya College of Engineering (RVCE), Bangalore | India

Jun 2019

Master of Technology, Structural Engineering

Sri Jayachamarajendra College of Engineering (SJCE), Mysore | India

May 2016

Bachelor of Technology, Civil Engineering

GPA: 3.6

SKILL SET

Certifications	AWS Cloud Fundamentals, SQL, Python Data structures, Oracle DB
Programming	R, Python – Pandas, NumPy, Scikit-learn, Matplotlib & NLTK, Linux Scripting, C, Spacy
Tools/Databases	AWS, Spyder, GitHub, MySQL, Microsoft SQL Server, MongoDB, JavaScript
Statistical Libraries	Excel, VBA, SQL, Alteryx, Supervised, Unsupervised, Data Mining, Statistical Analytics
Analytical Tools	Tableau, Microsoft Power BI, Microsoft Power Automate, Microsoft Office, SharePoint

RELEVANT COURSEWORK

- Advanced Statistics, Business Modelling with Python, Machine Learning, Predictive, NLP, Prescriptive and Database.

EXTRA CURRICULAR ACTIVITIES

Officer, University Toastmasters, The University of Texas at Dallas.

May 2023