

VIJAYAPRABAKARAN L,

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Links: [GL-Portfolio](#) | [LinkedIn](#) | [Tableau](#)

CAREER ASPIRATION:

Enthusiastic and dedicated data science fresher with a background in mechanical field seeking an opportunity to leverage analytical skills, programming expertise, and domain knowledge to contribute effectively to data-driven projects. Eager to apply theoretical knowledge gained through academic studies and practical experience gained in the mechanical field to solve complex problems and drive innovation in the data science domain.

EDUCATION:

2022-2023: PGP in Data Science and Business Analytics (Great Lakes Executive Learning)

2011-2015: BE Aeronautical Engineering (DSCET)

SKILLS:

Programming Languages: Python (NumPy, Pandas, Scikit-learn), MySQL

Data Visualization: Tableau, Power BI, Matplotlib, Seaborn

Statistical Analysis: Predictive Analysis, Hypothesis testing, PCA

Machine Learning: Supervised and Unsupervised Learning Techniques, Decision Trees, Random Forests, Regression

ACADEMIC PROJECT:

PREFERRED MODE OF TRANSPORT PREDICTION:

The objective of this project is to build the machine learning model to predict the mode of transport preferred by the employees of certain company.

Skills: Logistic regression, K nearest neighbor, Ensemble methods – Bagging & boosting

GEMS & HOLIDAY PACKAGE PREDICTION:

The project is based on 2 case studies: Gems Price Prediction and Holiday Package prediction. In the first case study, concepts of linear regression are tested to predict the price of gems based on multiple variables to help company maximize profits. In the second case, concepts of logistic regression and linear discriminant analysis are tested to predict if the customer will purchase the holiday package to target the relevant customer base

Skills: Linear Regression & Logistic Regression

WORK EXPERIENCE:

MAINTENANCE ENGINEER

OCT-2018 – JULY 2023

- **Organization** : Bhabha Atomic Research Centre, Kalpakkam (WIP-Plant)
- **Role** : Mechanical Maintenance Engineer

ROLES AND RESPONSIBILITIES:

- Preventive and breakdown maintenance of centrifugal fans, pumps, blowers, AHU's and chillers.
- Preparation of piping layout and equipment layout and verification of drawings
- Purchase of spares and equipment by Indent mode
- Testing of Composite filters by physical validation and leak test and efficiency test of filter banks and CFT
- Inventory of spares and equipment like bearings, V-belts, HEPA, Pre and coarse filters
- Preparation of preventive maintenance schedule, monthly progress report and equipment status

QUALITY INSPECTOR

DEC 2017 – OCT 2018

- **Organization** : Sharda Motor Industries Limited
- **Role** : Quality Inspector (Welding)

ROLES AND RESPONSIBILITIES:

- Welding Essential Variables: Preheating temperature, consumables and the welding monitoring as well as amperage, volts, travel speed, heat input and inter-pass temperature according to the welding procedure specification (WPS).
- Carrying about Visual Inspection: It depends on code requirements and drawings.
- Inspected welds for quality standards.
- Rejected inferior products and inferior welds
- Read and interpreted engineering documents.

SOFTWARE TUTOR

MAY 2016 - JUN 2017

- **Organization** : CTC Computer Education
- **Role** : Software Tutor

ROLES AND RESPONSIBILITIES:

- Taught 2D drafting and modelling in AutoCAD
- Taught Part Design, Assembly Design, Wireframe and Surface design in CATIA