

# ASHOK KUMAR NAMACHIVAYAM

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## PROFESSIONAL SUMMARY

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- Data Scientist Practitioner with 2+ years of experience in the area of Data extraction, Data Preprocessing, Data wrangling, statistical modelling, data mining and data visualization.
- Extensive knowledge in Python programming and its libraries such as Numpy, Pandas, Matplotlib, and Seaborn.
- Extensive expertise and hands-on experience in various machine learning algorithms including K-Nearest Neighbors (KNN), Regression, K-means, Random Forest, XGBoost, SVM, decision trees, Naive Bayes, and other advanced techniques.

### Areas of professional expertise:

- Data Wrangling and Data Cleaning
- Probability and Statistical analysis
- Data visualization (TABLEAU).
- Exploratory Data Analysis (EDA)
- Predictive Modeling and Evaluation
- Natural Language Processing (NLP)

## WORK EXPERIENCE

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### JAYAKRISHNAKUMAR ENTERPRISES

#### ❖ BUSINESS ANALYST

Mar2021 – May2023

Responsible for creating algorithms and predictive models to extract the data the business needs and help analyze the data and share insights with peers.

- Developed Python scripts to automate data cleaning, transformation, and analysis processes, resulting in improved efficiency and accuracy.
- Conducted exploratory data analysis to identify trends, patterns, and outliers, providing valuable insights for decision-making.
- Collaborated with stakeholders to understand business requirements, translating them into data visualization solutions to define key performance indicators (KPIs) and develop performance tracking dashboards.
- Presented findings and recommendations to senior management, effectively communicating complex data analysis in a clear and concise manner.
- Created interactive dashboards and reports using Tableau, enabling stakeholders to visualize and understand complex data sets.
- Generated reports and presentations to communicate data-driven insights to both technical and non-technical audiences.
- Having a solid understanding of Data preprocessing, Machine learning algorithms like KNN, Regression, K-means, Random Forest, XGBoost, SVM, and decision trees.

#### ❖ SALES AND SUPERVISING ENGINEER

May2019 – Mar2021

**Key Project :-** 1) Research on the [Acoustic Pyrometer \(VALMET\)](#) was conducted, and the findings were presented to [TANGEDCO](#) authorities.

- Data from prior bids, such as bid documents, client demands, pricing, and competition, should be gathered and analysed.

- Coordinate with internal teams, such as engineering, finance, and legal, to gather necessary information and support for tender submissions.
- Identify target customers, evaluate their requirements, and align tender proposals accordingly. Provide guidance and recommendations on pricing strategies, value propositions, and competitive positioning.
- Perform a comparative study to comprehend the products, costs, and business plans of competing companies in power plant sector.
- As a part of sales engineer, have maintained a complete database of our products which was handled by our customers and the spare counts and aging of our product with respect to their domain.

## CHENNAI PETROLEUM CORPORATION LIMITED

❖ FIELD ASSISTANT

Oct2018 – Feb2019

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### TECHNICAL SKILLS

**Analytical Tools:** Tableau, Excel.

**Software:** GitHub, MySQL(Basic).

**Others:** Jupyter Notebook, Google Colab.

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### EDUCATION

**Bachelor of Technology(Petroleum Engineer)** - Rajiv Gandhi College of Engineering (Chennai, TN)

*Additional Professional Development*

- Applied ML- [Applied AI Course](#)
- Python , Machine learning , Data Visualization, SQL - [Kaggle](#)
- O2Machine learning with Python, SQL - [EDX](#)
- Data Vizualization- Tableau - [Tata Forage](#)

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### PERSONAL PROJECTS AND KERNELS

- Exploratory Data Analysis- [Github](#)
- Machine Learning(DT vs RF) - [Github](#)
- Data Visualization - [Tableau](#)
- Titanic Survival Competition - [Kaggle](#)

