

Kartheban. S

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Github : <https://github.com/karthebans/iNeuron>

Tableau: <https://public.tableau.com/profile/kartheban.s#!/?newProfile=&activeTab=0>

- **3+ years of experience** in the **Data Science**.
- Overall experience is 18 years.



Skills

Skills : Python, My SQL, Machine Learning, Deep Learning, Tableau, API, MS Office.

Packages: Numpy, Pandas, Scikit-learn, Tensorflow, Matplotlib, Seaborn, Metrics, Plotly

Machine Learning Algorithms: Statistical Models, Linear Regression, Logistic Regression, Decision Tree, Random Forest, XG Boost, AdaBoost, KNN, Naive Bayes, SVM, K-Means, Time Series Forecasting (ARIMA, SARIMA, AutoArima, Prophet, Holt Winter, Auto-TS, Pycaret)

In-built Functions: Functions, OOPs, SciPy, Lamda Expression, Apply, Mapapply, Map

Environment: Anaconda, Jupyter, R Studio, PyCharm

Operating System: Window



Projects

Projects on Python for Data science

Project 1: Time Series Forecasting

Problem Statement: Analysis of data and forecast the Customer count.

Topics: Algorithms used ARIMA, Auto ARIMA, Prophet, Holt Winter

Roles and Responsibilities:

Understanding dataset.

Performing data analysis on various labels in the data.

Data preparation such as Missing values Treatment, Analysis of Trend, Seasonality and Stationery.

Train the data for the prediction of the model.

Project 2: Performing Analysis on Customer Churn Dataset

Problem Statement: Analysis of Employment reliability of employees in the telecom industry

Topics: Algorithms, Manipulation, Data Visualization, Python Language

Roles and Responsibilities:

Performing real time analysis of data by making use of multiple labels

Performing data visualization to understand the factor of reliability

Performing visual analysis of various columns to verify

Plotting charts to substantiate the findings in total

Story telling capacity about the insights in data with the help of various charts



Experience

Aug 2021 – Data Scientist

Till Now Infosys Limited, Bangalore

- Building of Model with various Machine Learning Algorithms.
- Knowledge on databases such as MYSQL
- Experience in Python packages such as Numpy, pandas, scikit-learn, scipy, seaborn, Matplotlib, plotly, Tensorflow.
- Experience in Data Cleaning, EDA, Feature Engineering, Statistical Analysis, Model Building.
- Experience in Analysis of data and feature transformation such as Standard Scalar, Min Max scalar, PCA, Outlier removal, missing value handling.
- Experience in transformation of categorical variable into numerical values to suitable for machine learning algorithms.
- Experience in Various Supervised and Unsupervised Algorithms such as Statsmodels, Linear Regression, Logistic Regression, Decision Tree, Random Forest, XGBoost, Adaboost, KNN, Naive Bayes, SVM, K-means, Times series analysis etc.,
- Analysis of overfitting, underfitting, bias, variance trade-off.
- Fine tuning of models with their parameters and achieving the maximum accuracy.
- Knowledge on Deep learning and various activation functions, loss function, back propagation, gradient descent.
- Knowledge on deployment of model on AWS, Azure, GCD.
- Knowledge in dashboards on Tableau / Power BI.
- Knowledge on ETL.
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Mar 2017 – **Data Scientist**

Aug 2020

Office of the Textile Commissioner

- Experience in Various Supervised and Unsupervised Algorithms such as Statsmodels, Linear Regression, Logistic Regression, Decision Tree, Random Forest, XGBoost, Adaboost, KNN, Naive Bayes, SVM, K-means, Times series analysis etc.,
- Knowledge on correlation between independent variable with the dependent variable, multicollinearity, transformation of dependent variable to standard Normal Distribution for better accuracy.,
- Building of Machine Learning Models.
- Data Pre processing and EDA.
- Hyper parameter tuning.
- Experience in Deep Learning Techniques and their implementation.
- Handled large data sets.

Jul 2006 – **Technical Officer**

Mar 2017

Office of the Textile Commissioner

- Maintaining the data of Textile Industry.
- Collection of data's of various Textile Industry.
- Feeding the data in MS Excel and filtering, Sorting, Summarising.
- Visualisation of data and infer the insights in the data.

Jun 2002 – **Fabric Programmer**

Jun 2006

Asia Pacific International, Tirupur, Tamilnadu

- Worked in the MIS software.
- Calculating the requirement of Quantity of Raw Material required for Buyer Order.
- Feeding of data to MIS software to calculate the Raw material requirement.
- Creating the Master data in the MIS as per requirement.



Education

Apr 2002- **B. Tech: Textile Technology - 81% First class with Honours**

Jun 1999 *University of Madras, Chennai*

Apr 1999- **Diploma: Textile Technology - 88% First Class with Distinction**

Jun 1996 *Central Polytechnic, Chennai*

Apr 1996 - **SSLC - 86%**

Govt. High School, Tamilnadu



Certifications

Mar 2021 Data Science with Python and R, Tableau

Jan 2021



Career Achievements

- Secured **First Place** in 4th Semester during Diploma in Textile Technology
- Secured **Second Place** in 4th & 5th Semester during Diploma in Textile Technology



Languages

- ◆ English - Read, Write, Speak
- ◆ Kannada - Speak
- ◆ Tamil - Read, Write, Speak
- ◆ Telugu - Speak
- ◆ Hindi - Speak



Notice Period

- ◆ Immediate.

Kartheban