SABARIMURUGAN MATHIVANAN

**Address:** No-4/37-1, Poosari street, Avanam post,

Peravurani taluk,Thanjavur district,

pin – 614 623, Tamilnadu, India.

Phone: +918870294664 | <https://github.com/sam95-git/ds-projects.git> | Email : [sabari.mathi05@gmail.com](mailto:sabari.mathi05@gmail.com)

Undergone training as a Data Analyst for **around 1 year** . Proven track record of analysis of good volume of data to gain business insights using SQL, python with numpy, pandas, Power BI, Matplotlib, seaborn etc.,

# SKILLS

**Programming** Python, SQL .

**Visualization** Power BI, Excel charts, Matplotlib, Seaborn, Jupyter Notebook.

**Database** MySQL .

**Soft Skills** Good verbal and written communication skills, presentation and

negotiation skills, Inclination and ability to pick up new techniques/technologies

# RELEVANT COURSES

* edX course on **Data processing and analysis with excel.**
* freecodecamp course on **python programming for data science.**
* Khan academy course on **Fundamentals of Probability & Statistics.**
* Khan academy course on **Fundamentals of SQL.**
* freecodecamp course on **Fundamentals of web development with PHP.**

# WORK EXPERIENCE

## April 2020 - March 2021.

### Alathea Consulting , Bangalore *Data Analyst.*

* Have hands on experience in python programming language, numpy, pandas libraries for data manipulation and analysis, experience in visualization libraries like Power BI, matplotlib, seaborn and have created different visualizations with real datas
* Have good knowledge on machine learning algorithms(supervised leaarning),deep learning techniques and have built precise ML models for output prediction.
* Utilised knowledge on statistics and probability to understand different data distributions, extreme data variations and outliers that could affect the output and used tools and techniques to handle it efficiently
* Used knowledge on SQL to ran various queries on the SQL Databases with different datasets and analysed datas to gain insights.
* Have Used advance Excel techniques like pivot table, relative frequency table, vlookup etc., for analyzing datasets and gained potential insights of the data.

**PROJECT 1**

Automated website chatbot.

* Used Zoho’s Zia skill bot building platform and deluge scripting language edited the existing template to match the firm’s requiremenet wrote clean scripts and developed an automated chatbot that could guide the user for effective web exploring,booking appointments etc.,
* Reviewed the developed bot couple of times with the firm’s stakeholders for necessary enhancement, deployed the approved model in the website also in the process of developing NLP based bots for further requirement.

**PROJECT 2**

Data Analysis project- Sales Insights using Power BI.

* Collected data, loaded it in MySQL database, with SQL ran common data analytics queries and drawn many business insights for further development with power BI.
* Plugged the data from MySQL database into Power BI, performed Data transformation, data munging, ETL(extract, transform and load) and applied all the data transformations from Power query editor to Power BI Dashboard, used DAX language to create required measures and plotted different UI elements and visualizations (Bar chart, Line Chart, etc.,)
* Have built a powerful and interactive Power BI Dashboard and created report which expose potential business insights that could be used to make data driven decisions.

# PROJECT 3

Data Science project- Home price prediction with ML- model.

* Collected data from kaggle.com and performed data analysis, data munging with python libraries like pandas, numpy , used visualization library Matplotlib and fundamental statistical techniques, domain knowledge to detect and remove outliers.
* Used Feature Engineering techniques to create required features and utilized dimensionality reduction techniques to handle dimensionality curse in the dataset, to come up with optimal data for model building.
* With the cleaned dataset have used train\_test\_split method to split the data and used gridsearchcv for hyperparameter tunning to choose the precise ML-model from various available regression models.
* Have selected Linear regression as optimal model and used k fold cross validation method to measure the accuracy of the model and have achieved 85% accuracy.

# EDUCATION QUALIFICATION

## June 2013 – April 2017

### St.Joseph’s institute of technology, Chennai *- Bachelor in Mechanical Engineering.*

**6.62 CGPA.**

# REFERENCES

**PROFESSIONAL REFERENCE**

Name: Rafi ali khan.

Position: CTO – Zool Tech Solutions Pvt Ltd.

Contact number: +91 99860 18496

Email id: rafi@zool.in

**PERSONAL REFERENCE**

Name: Arunachalam karupaiyan arun.

Position: vice president, tata consultancy services.

Contact number: +91 8951002402.

Email id: akarun99@yahoo.com

# PERSONAL DETAILS

Full name: **SABARIMURUGAN .**

Father’s name: **MATHIVANAN.**

Gender: **MALE.**

Date of birth: **01-08-1995.**

Marital status: **SINGLE.**