Name: Reaghan Pius.A
Phone: 7358276420
Email ID: reaghanpius@gmail.com

CAREER SUMMARY

As a highly motivated professional committed on developing my skills and achieving professional growth through continuous learning, and possess a unwavering confidence in my ability to generate captivating ideas for unforgettable campaigns.

- LinkedIn: Link : https://www.linkedin.com/in/reaghan
- Website Link : https://www.reaghanpius.com

KEY SKILLS

- **Database Skills**: SQL
- **Programming Languages**: Python
- **Python Libraries**: Numpy,Pandas, Matplotlib,seaborn ,SciPy
- **Machine Learning**: Linear regression,Logistic regression,Decision trees,Random forests
- **Other** : Solidworks, Catia, Unity

ACADEMIC – DATA SCIENCE PROJECTS

- **Project 1: Airbnb Price Forecast: Unlock Future Rental Rates with Machine Learning(Regression)**
  Business Goal: The goal of this project is to develop a machine learning model that can predict rental rates for Airbnb listings in the Italy region.
  Approach: The methods in this program deal with data collection, preprocessing, statistical analysis, sample design, sample selection and training, and the statistical analysis pattern. Following the above criteria, this project aims to estimate the rental price of Airbnb listings. Section
  Algorithm used: CatBoost regressor
  Metrics: r2score=0.58, rmse=0.064
  Tools Used: Python:Pandas,NumpyScikit-learn, Basic NLP and Data Visualization(matplotlib, seaborn).

- **Project 2: Disease Prediction Model: Parkinson's Disease (Classification)**
  Objective: The objective of this project is to build a machine learning model to accurately predict the presence of Parkinson's disease. The goal is to classify patients as either having or not having Parkinson's disease.
  Approach: The approach includes data collection, preprocessing, statistical analysis, sample design, sample selection, and training using various classification algorithms. By following this approach, the project aims to accurately classify patients based on the presence of Parkinson's disease.
  Algorithm Used: Random Forest Classifier
  Metrics: r2score=0.75, rmse=0.15
  Tools Used:Python:Pandas,NumpyScikit-learn,Random forest classifier,Data Visualization(Seaborn)

- **Project 3: Flipkart- Sort mobiles Through Rating (Data scrapping)**
  Objective: Since Flipkart doesn't have an option to sort products (mobiles) by rating, the goal is to scrape real-time data from the site and sort the mobiles by rating ourselves using basic Exploratory Data Analysis (EDA). The sorted data will then be published on my website for public access.
  Approach: Firstly, the data is scraped using the open-source Selenium library, and the scraped data is stored as a DataFrame (df) in Jupyter.Then basic Exploratory Data Analysis (EDA) is performed, including removing unwanted columns, handling null values, converting data types to int/float, and cleaning the data. The final cleaned data can then be sorted to see the highest-rated mobile phones within our price range.
  Additional: The entire process has been automated, and the updated data is fed into a website with easy sorting and filtering options available for public access.
  Working Link: https://www.reaghanpius.com/mobilesorter

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EDUCATION

Course	Institution	Year
PGP-DSE	Great Lakes Institute of Management	2023
BE in EEE	Panimalar Institute of Technology	2016-2020
12th Std	SBOA Matric(Chennai)	2016
10th Std	SBOA Matric(Chennai)	2014

CERTIFICATIONS

- Master Diploma in Product Design and Analysis
  https://drive.google.com/file/d/1iZFppEjfomzKWeDmjUVWa-A5VIPSIoWK/view?usp=sharing

OTHER ACHIEVEMENTS

- Published a Game on Playstore: INDIA MAPPER
  https://play.google.com/store/apps/details?id=com.ArpiLon.IndiaMapper
- Project-Expo: Surveillance Rover--First Prize (SAI RAM-EXPLORE 2K19)
  https://drive.google.com/file/d/1UYpgYqccCEmfsHflCRtMBfMJmdG2hRof/view?usp=sharing