

Muhammed Thufail Data Scientist | Economist

📍 Calicut, Kerala ✉ pkthufail@gmail.com ☎ +91-9995197519 in <https://linkedin.com/in/pkthufail/>
🔗 <https://github.com/pkthufail> 🖱 <https://pkthufail.github.io>

PROFILE

Skilled in econometrics and data science with a passion for extracting valuable insights from complex datasets, adept in machine learning models, visualization and data mining, driven to make a lasting impact through innovative data-driven solutions.

EDUCATION

- Ph.D. Economics**, *University of Hyderabad* 08/2017 – present
Hyderabad
- Junior Research Fellowship awarded by University Grants Commission.
 - Working on interdependence and connectedness between Indian financial and stock sectors using time series econometric and machine learning models.
- M.A Economics**, *Maulana Azad National Urdu University* 08/2015 – 05/2017
Hyderabad
- Passed with a University gold medal.
 - Postgraduate project on the feasibility and performance of ethical indices in National Stock Exchange.
- B.A Economics**, *University of Calicut* 08/2011 – 04/2014
Calicut
- Specialization in Mathematical Economics

PROFESSIONAL EXPERIENCE

- Junior ML Engineer**, *Omdena* 📄 07/2022
Remote
- Participated in a transformative project offering free machine learning access to Indian school students
 - Developed a base code optimizing data gathering and wrangling with Python, Selenium, and BeautifulSoup to efficiently collect information on over 10,000 entities from diverse geographical regions, significantly saving time for fellow team members.
- Coordinator cum Technology Head**, *SIBAQ National Artfest - DHIU* 📄
- Coordinated a team of over 50 members to successfully manage national art festivals featuring more than 350 competitions across 8 categories and drawing participation from over 35 institutions and 4000 candidates, on four separate occasions (2014, 2016, 2018, and 2022).
 - Pioneered the development of an integrated solution that continuously improved and adapted technologies over the years to streamline tracking and management of internal workflow and provide easily accessible aggregated results and standings by using Spreadsheets, Tableau, and a dedicated website.
- Instructor**, *DHIU Malappuram, Kerala* 📄 06/2014 – 06/2015
- Taught Mathematics at the high school level

PROJECTS

- Tableau Visualization**
- Visualized meteorite landings (1523 - 2013) dataset by NASA. 📄
 - Developed multiple dashboards for real-time standings and scores for Artfest. 📄
- Data Mining and Scraping**
- Scraping Election Results from ECI Website and Visualization Using R 📄 , <https://bit.ly/3Qbvt3b> 📄
 - Gathering bond sales data from NSDL for 2017-2023 using Python Selenium and BeautifulSoup 📄 , <https://bit.ly/3K7mhZF> 📄
- Machine Learning**
- Analyzing tweets on Balakot airstrike and sentiment analysis using aRoberta and Hugging Face 📄 , <https://bit.ly/44AEW8i>

SKILLS

Machine Learning (Regression, Classification, Clustering), **Toolbox** (Python, R, Pandas, Numpy, Scikit Learn, TensorFlow, Keras, tidyverse), **Data Visualization** (ggplot, Matplotlib, Seaborn), **Database** (MySQL), **Business Intelligence** (Tableau, Power BI), **Data Science** (ETL, Manipulation, EDA, Visualization, Modelling, Evaluation, Forecasting and Prediction), **Econometrics** (Time Series, SPSS, E-Views), **Microsoft** (Word, Power Point, Excel), **Languages** (English, Malayalam, Urdu, Arabic, Hindi)

COURSES AND CERTIFICATIONS

Data Scientist with R - Career Track (Datacamp.com), **Python - ML Courses** (Kaggle.com), **Python Certification** (HackerRank.com), **SQL Basic and Intermediate Certification** (HackerRank.com), **Introduction to Tableau** (simplilearn.com), **FinMod'18, Time Series R Workshop** (IIT Kanpur and The Indian Econometric Society)

INTERESTS

Time Series | NLP | Deep Learning | Econometrics | Probability & Statistics