



Raj Pawar

Date of birth: 24/10/1996 **Phone number:** (+49) 15752648020

Email address: er.rajpawar@gmail.com

LinkedIn: <https://www.linkedin.com/in/rajpawar/> **Website:** <https://rajpawar.in>

Home: Emil-Figge-Straße 35, 44227 Dortmund (Germany)

ABOUT ME

Proficient in Python and passionate about mastering new technologies to tackle complex challenges. Currently pursuing a Master's in Data Science, specializing in machine learning, regression analysis, statistical modeling, and data visualization. Experienced in ASP.NET core web development, REST APIs, and plugin architecture. Committed to teamwork, creativity, and delivering quality solutions.

EDUCATION AND TRAINING

Master's Data Science

Technical University Dortmund [01/04/2021 – Current]

City: Dortmund

Country: Germany

Website: <https://www.tu-dortmund.de/en/>

Bachelor's Computer Engineering

Gujarat Technological University [01/06/2015 – 03/03/2019]

City: Ahmedabad

Country: India

Website: <https://www.gtu.ac.in/>

Final grade: 1.7

DIGITAL SKILLS

Programming Languages

Python / R / SQL / C#

Database Management

MSSQL Database / Linq / Entity Framework / Relational databases

Data Science

Machine learning / Regression analysis / Statistical modeling / Data Collection, Data Cleaning, Data Analysis, Data Visualisations / Frameworks & Libraries: OpenCV, Sci-kit learn, NumPy, Pandas, SciPy, Matplotlib. / Descriptive Analysis / Model Performance Evaluation / Classification and Regression Trees / Principal Component Analysis / Random Forests / Regularization / Hyperparameter Tuning / Unsupervised learning / Clustering

Tools

Jupyter Notebook / R Studio / Git / .NET / .NET Core

Software Development

Software Engineering / Algorithms / Object-Oriented Programming / Web Development / RESTful api

PROJECTS

Descriptive analysis of demographic data

[2022]

Analyzed mortality rates and life expectancy data from 227 countries in 5 regions and 21 subregions.

Conducted frequency distributions, bivariate correlations, and studied variations in data.

Explored changes in variables over the last 20 years using descriptive statistical techniques such as histograms, correlations, box plots, and scatter plots.

Link: https://rajpawar.in/files/Projects/Descriptive_analysis_of_demographic_data.pdf

Comparison of multiple distributions

[2022]

Examined time differences between swimming categories using women's 200-meter semi-final results.

Conducted global tests and performed two-sample tests to identify pairwise differences.

Applied Bonferroni and Holm-Bonferroni multiple comparison correction methods.

Verified assumptions and compared results with and without adjustment for multiple testing.

Link: https://rajpawar.in/files/Projects/Comparison_of_multiple_distributions.pdf

Regression analysis

[2022]

Created a linear regression model to explain body height based on body measurements of 424 individuals.

Utilized Best Subset Selection and selection criteria (AIC and BIC) to identify the best set of explanatory variables.

Interpreted coefficients, provided confidence intervals, and evaluated goodness of fit.

Link: https://rajpawar.in/files/Projects/Regression_Analysis.pdf

WORK EXPERIENCE

Dot Net Developer

Xcellence-IT [02/01/2019 – 14/12/2020]

City: Surat

Country: India

- ASP.NET core web application development (E-Comm.) (SVG manipulation) (Custom Logo Generation)
- REST web API's
- Plugin architecture
- Performance optimization
- Source code analysis
- API source code documentation automation
- Project requirement analysis

CERTIFICATIONS

Python for Data Science, AI & Development

[05/2021]

I've developed my Python skills, mastering core concepts like critical data structures and programming fundamentals, alongside hands-on experience with key data science libraries. This proficiency empowers me to efficiently work with data, develop data science applications, and navigate Python libraries with ease.

Link: <https://www.coursera.org/account/accomplishments/certificate/GE3SGYUN7WTA>

Tools for Data Science

[03/2021]

I've learned the Data Scientist's toolkit, encompassing Libraries & Packages, Data sets, Machine learning models, and Big Data tools. My skillset includes fluency in commonly used data science languages like Python, R, and SQL, along with practical expertise in tools such as Jupyter notebooks and RStudio. I can proficiently create and manage data science source code using Git repositories and GitHub.

Link: <https://www.coursera.org/account/accomplishments/certificate/ALW83HFP8CT4>

Data Science Orientation

[02/2021]

I've gained a deep understanding of the transformative impact of data science, artificial intelligence (AI), and machine learning on global business and research practices. My knowledge encompasses a comprehensive grasp of the current landscape of data science, providing me with a solid foundation in this field.

Link: https://www.youracclaim.com/badges/bc755129-fec7-48c3-a3f6-87c94a0edd54?source=linked_in_profile

What is Data Science?

[02/2021]

Link: <https://www.coursera.org/account/accomplishments/verify/PN4M89HEGSD7>

LANGUAGE SKILLS

Other language(s):

English

LISTENING B2 READING B2 WRITING B2

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

German

LISTENING A1 READING A1 WRITING A1

SPOKEN PRODUCTION A1 SPOKEN INTERACTION A1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user