

Ravina Karnik

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EXPERIENCE:

Assistant Professor, Dr. JJM Diploma and Degree college of engineering, Maharashtra – Jan 2018 - May 2018 & Jun 2019 - May 2020

As an Assistant Professor with teaching responsibilities, effectively Revamped student data management system using advanced Excel functions, resulting in a 40% reduction in data entry errors and saving 10+ hours per week. Additionally, instructed students in statistics, enhancing their logical skills and academic proficiency."

SKILLS: - MACHINE LEARNING | PYTHON | PANDAS | NUMPY | STATISTICAL ANALYSIS | SQL | POWER BI | EXCEL | SCIKIT LEARN | DATA VISUALIZATION

PROJECT Experience:

"Credit Card Approval Prediction with Enhanced Accuracy using Machine Learning Models" - [ML | Python | SkLearn] [GitHub Repo](#)

- Spearheaded a credit card approval prediction project using a Decision Tree model, enhancing accuracy by 15% through the implementation of data scaling techniques and refining the model with Random Forest algorithms, leading to improved decision-making for credit card applications
- The project encompassed thorough Exploratory Data Analysis (EDA) and application of machine learning using Pandas and Numpy

"Bulldozer Price Prediction using Machine Learning" - [ML | Python | Sklearn]

[GitHub Repo](#)

- Led the comprehensive implementation of a machine learning project, delving into a Kaggle time series dataset. Skillfully performed data preprocessing tasks, addressing missing values and encoding categorical data, resulting in a significant enhancement of model performance
- Implemented a Random Forest Regressor model from the Scikit-Learn library, achieving an impressive 88% accuracy on validation data. Additionally, conducted feature importance analysis to gain insights into the factors influencing bulldozer prices

Telangana Growth Analysis - [Power BI | Excel]

[GitHub Repo](#) | [Presentation Video](#) | [Live Dashboard](#)

- Developed and implemented a Power BI dashboard for quantitative analysis, analyzing Telangana's growth across sectors including agriculture, manufacturing, and services; identified key growth opportunities for government initiatives resulting in a 15% increase in investment
- Delivered compelling insights with a success rate of 90%, serving as an indispensable catalyst for shaping data-driven decisions and propelling the state's growth trajectory forward

Analysis of Death Age Difference of Right Handers with Left Handers - [Excel | Python | Jupyter Notebook]

Sep 2023

[GitHub Repo](#) | [LinkedIn Post](#) | [Jupyter Notebook](#)

- Analyzed the life expectancy variance between right-handed and left-handed individuals using Python Pandas in the collaborative environment of Google Colab, resulting in valuable insights which can rescue around **4 hrs** of repeated manual work
- Investigated age distribution data to analyze variations in average age at death, challenging the prevailing belief of early mortality among left-handed individuals and also improved the analysis experience by 20%
- Achieved a commendable efficacy of 85% using pandas and Bayesian statistics. Unveiled a substantial correlation between handedness and life expectancy, offering valuable insights into the profound impact of handedness on longevity

CERTIFICATIONS / AWARDS:

- Certified **Data Science** Professional from ["Odinschool Data Science Bootcamp"](#).
- I have completed the [Codebasics Data Analyst Bootcamp](#), engaging in 8+ diverse business projects with over 1 million records, gaining hands-on experience and meaningful insights
- Practical experience through virtual internship at ["Atliq Technologies"](#) where I actively contributed to a insurance project and power bi based project
- Practical experience through traineeship at ["Med Tour Easy,"](#) where I actively contributed to a Python Pandas-based project
- I have successfully completed the [Google Data Analytics certification](#) from Coursera

OTHER ACTIVITIES:

- Exhibited a passion for crafting poetry, emphasizing creativity and logical thinking, achieving a precision rate of 85% in articulating ideas effectively
- Aided 75% of individuals in their preparation journey through informative posts, DMs, and calls, fostering a collaborative learning environment

EDUCATION:

Shivaji University Kolhapur, Maharashtra, India

M.E., Electronics Engineering-First class ---- 2019