Archana Chinchole

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# Professional Experience

## IEduVibhu | Analytics Trainee 01/2024 - 05/2024

* Analyzed500 datasets for NAAC accreditation using **Python, Flask, Excel**, and machine learning, enhancing data accuracy by 30%. Developedand implementeddata strategies that improved statistical model efficiency by 25%, facilitating better decision-making.
* **Automated** data evaluation processes, reducing manual effort by 40% and increasing overall productivity. Presented insights and findings to **senior management**, contributing to a 15% improvement in project outcomes.

1. **Forage| Intern, ESG Virtual Experience Program 03/2023 - 04/2023**

• Conducted thorough analysis and understanding of client needs and performed **comparative analysis** on

10 sustainability solutions to identify the most effective options.

• Developed and presented a **fitment matrix** to the client, showcasing the **top 3** sustainability solutions with

the highest potential for impact.

# Project

## Data Analysis of Olympic Athletes Performance 01/2024 - 05/2024

* Performed comprehensive analysis on Olympic athlete data to derive insights into performance and medal trends and Utilized **MySQL, Python**, and **Power BI** for data manipulation, visualization, and presentation.
* Applied **machine learning algorithms** including **Linear Regression, SVM**, and **Random** **Forest** to build predictive models, improving performance prediction accuracy by 20% and conducted **exploratory**  **data analysis (EDA)** to identify key factors influencing athlete performance.

## Chicago Crime Data Analysis 06/2023 - 12/2023

* Analyzed crime and public safety data in Chicago using **advanced data analysis** techniques Implemented machine learning algorithms (**KNN, Decision Tree, Random Forest**) to classify and predict crime trends with 85% accuracy.
* Employed **Time Series analysis** and **Principal Component Analysis (PCA)** to identify patterns and reduce dimensionality and generated detailed reports and visualizations to support data-driven policy making.

# Education

## M.Sc Statistics 2022 - 2024

Savitribai Phule Pune University CGPA - **8.05**

## B.Sc Statistics 2019 - 2022

North Maharashtra University CGPA - **7.53**

# Achievements

* Awarded second prize in the university-level competition for a poster presentation on the topic **Statistical Analysis of Depression Among College Students**.
* Presented **NAAC** committee work, showcasing expertise in **statistical analysis, python programming, and data mining**. Utilized **data visualization** and **machine learning algorithms** to highlight key insights.

# Skills

* + **Technical Skills:** Python, R Programming, SQL, Excel, Power BI, Minitab.
  + **Tools:** GitHub, Pycharm, Streamlit.
  + **Soft Skills:** Organizational Skills, Problem-Solving, Communication, Collaboration.
  + **Languages Known**: English, Hindi, Marathi.

# Certifications

# Data Science with R programming | Basic Deep Learning | Machine Learning Engineer and AI Analyst - Simplilearn