Archana Chinchole

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# Education

## M.Sc Statistics 2022 - 2024

Savitribai Phule Pune University CGPA - **8.05**

**Relevant Coursework**: Advanced Statistical Methods, Data Mining, Machine Learning, Time Series Analysis.

## B.Sc Actuarial Sciences 2019 - 2022

North Maharashtra University CGPA - **7.53**

**Relevant Coursework:** Probability Theory, Financial Mathematics, Statistical Inference, Risk Management.

# Projects

## Data Analysis of Olympic Athletes Performance December 2024 – May 2024

* Analyzed data from over 271116 Olympic athletes, improving prediction accuracy by 20%.
* Utilized MySQL, Python, and Power BI for data processing and visualization, Computer visiom
* Applied machine learning algorithms **Linear Regression, SVM**, and **Random** **Fores**t develop models that identified key performance trends, improving performance prediction accuracy by 20%
* Created interactive dashboards for real-time performance tracking.
* Conducted **exploratory data analysis (EDA)** to identify 5 key factors influencing athlete performance of Olympic games.

## Chicago Crime Data Analysis June 2023 –November 2023

* Analyzed 1048575 rows and 21 records of crime data to uncover trends and patterns.
* Applied KNN, Decision Tree, and Random Forest algorithms, achieving an 85% accuracy rate in crime prediction.
* Reduced data processing time by 40% through optimized data handling techniques.
* Employed Time Series analysis and Principal Component Analysis (PCA) to identify patterns and reduce dimensionality by 25%. Generated detailed reports and visualizations, leading to a 30% increase in data-driven policy efficiency.

# Internship Experience

## IEduVibhu | Analytics Trainee December 2024 – January 2024

* Analyzeddatasets 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. Developed and maintained dashboards to monitor and track key performance metrics.

1. **Forage| Intern, ESG Virtual Experience Program** March **2023 – April 2023**

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

10 sustainability solutions to identify the most effective options.

• Created and delivered a fitment matrix to the client, identifying the top 3 high-impact sustainability solutions.

# Achievements

* Awarded second prize in a university-level competition with Secured place out of 50 plus participants for a poster presentation on the **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, Microsoft Office Suite.
  + **Tools:** GitHub - https://github.com/archanachinchole, Pycharm, Streamlit, Visual Studio Code.
  + **Soft Skills:** Managing Multiple Project, Tackling Complex Issue, Communication, Collaboration.
  + **Languages Known**: English, Hindi, Marathi.

# Certifications

# Data Science with R programming | Basic Deep Learning - Simplilearn.

# . Machine Learning Engineer and AI Analyst- Symbiosis Skill and Professional University.

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