Archana Chinchole

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# Education

## M.Sc Statistics June 2022 – June 2024

Savitribai Phule Pune University CGPA - **8.05**

**Relevant Coursework**: Advanced Statistical Methods, Data Mining, Survey-based Research, **Time Series Analysis**.

## B.Sc Actuarial Sciences June 2019 – June 2022

North Maharashtra University CGPA - **7.53**

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

**Sample Design**, **Universe Estimation**

# Projects

## ****Sports Data Analysis: Olympic Athletes Performance**** December 2023 – May 2024

* Conducted comprehensive data analysis on 271,116 Olympic athletes to ensure data accuracy and consistency.
* Built and validated predictive models using machine learning algorithms, achieving a 20% increase in prediction accuracy.
* Processed and visualized data using MySQL, Python, and Power BI, ensuring the reliability of data for insights.
* Facilitated team meetings to discuss key findings and trends, improving decision-making processes.

## Chicago Crime Data Analysis June 2023 – November 2023

* Analyzed 1,048,575 rows of crime data to uncover trends and patterns using KNN, Decision Tree, and Random Forest.
* Developed predictive models that achieved an 85% accuracy rate in predicting crime occurrences
* Streamlined data processing by 40% through optimized handling techniques, improving the speed and accuracy of analysis.
* Emphasized data validation and accuracy, ensuring high-quality outputs for data-driven policy decisions.
* Generated comprehensive reports and visualizations, contributing to a 30% enhancement in data-driven policy-making.

# Internship Experience

## IEduVibhu: Analytics Trainee December 2023 – January 2024

* Assessed and processed datasets for NAAC accreditation, enhancing data accuracy by 30%.
* Led the development and implementation of data strategies, improving statistical model efficiency by 25%.
* Automated data evaluation processes, reducing manual effort by 40% and increasing productivity.
* Presented insights to senior management, contributing to a 15% improvement in project outcomes.

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

• **Analyzed and assessed** client needs to perform a comparative analysis of 10 sustainability solutions, identifying the most effective options.

• **Developed and presented** a fitment matrix, highlighting 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**.
* **Demonstrated** expertise in statistical analysis, Python programming, and data mining through presentations to the NAAC committee. **Utilized** data visualization and machine learning algorithms to highlight key insights.

# Skills

* + **Programming Languages:** Python, R, **SQL**.
  + **Data Analysis & Visualization**: Excel, **Power BI**, **Minitab**.
  + **Tools:** GitHub, PyCharm, Streamlit, Visual Studio Code, Microsoft Office applications, Jupyter Notebook.
  + **Machine Learning & AI**: TensorFlow, Keras, PyTorch, Scikit-learn, NLP, Gen AI
  + **Soft Skills:** Communication, Collaboration, Teamwork, Project Management, Deadline Management
  + **Languages Known**: English, Hindi, Marathi.

# Certifications

# Data Science with R, Basic Deep Learning, Business Analysis with excel - Simplilearn.

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