Archana Chinchole

**Email**:[archanachinchole6@gmail.com](mailto:archanachinchole6@gmail.com%20)| **Contact**:+919823601974| **Address** : Nandurbar, Maharashtra

[**LinkedIn**](https://www.linkedin.com/in/archana-chinchole-04208b269/) | [Github](https://github.com/archanachinchole)

# 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**

# Internship Experience

## IEduVibhu: Analytics Trainee December 2023 – January 2024

* Assessed and processed datasets for NAAC accreditation using Python and Flask, achieving a 30% improvement in data accuracy.
* Led the development of data pipelines for statistical model efficiency, improving outcomes by 25%.
* Automated **data evaluation processes**, reducing manual tasks by 40% and improving productivity.
* Presented **data-driven insights** to senior management, contributing to a 15% improvement in overall project results.

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

• Conducted comparative analysis of 10 sustainability solutions, identifying and recommending high-impact options to clients.

• Created and delivered a fitment matrix, aligning client needs with optimal solutions for greater business impact.

# Projects

## Sports Data Analysis: Olympic Athletes PerformanceDecember 2023 – May 2024

* Managed data processing and visualization for 271,000 Olympic athletes, ensuring data accuracy and reliability for decision-making.
* Built predictive models using machine learning algorithms (SVM, Random Forest), increasing prediction accuracy by 20%.
* **Utilized advanced Excel for data validation and reporting**, contributing to insights that improved performance.
* Collaborated with cross-functional teams to implement data automation processes, optimizing workflow efficiency.

## Chicago Crime Data Analysis June 2023 – November 2023

* Processed 1,048,575 rows of crime data, identifying key trends and patterns through **machine learning** and **predictive modeling**.
* Applied algorithms like KNN, Decision Tree, and Random Forest, resulting in 85% accuracy, while maintaining **data quality** throughout the project.
* **Automated data processing and Excel-based reporting**, reducing manual efforts by 40% and improving overall project productivity.
* Created detailed **data-driven reports** and visualizations, aiding in effective **data analysis** and decision-making.

# 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.