

Archana Chinchole

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[LinkedIn](#) | [Github](#)

Education

- M.sc (Master's Degree in Statistics)** June 2022 – June 2024
Savitribai Phule Pune University CGPA - **8.05**

Relevant Coursework: Advanced Statistical Methods, Data Mining, Survey Design, **Statistical Inference**, Operation Research.

- B.sc (Bachelor's degree Actuarial Sciences)** June 2019 – June 2022
North Maharashtra University CGPA - **7.53**

Relevant Coursework: Probability Theory, Financial Mathematics, Risk Management, Sample Design, Universe Estimation.

Internship Experience

- IEduVibhu: Analytics Trainee** December 2023 – January 2024
 - Analyzed 500 datasets for NAAC accreditation using Python, Flask, Excel, and machine learning, enhancing data quality by 30%.
 - Automated data evaluation processes, including input data quality checks and validations, reducing manual effort by 40% and improving process efficiency.
 - Presented findings to senior management, improving decision-making and cross-department cooperation.
 - Investigated data queries and provided actionable solutions to streamline data processes and ensure clean data for insights.
- Forage: Intern, ESG Virtual Experience Program** March 2023 – April 2023
 - Conducted a thorough analysis of sustainability solutions, using root cause analysis to compare 10 options and identify top performers.
 - Developed a fitment matrix to present business process improvements and sustainability solutions to clients.

Projects

- Data Analysis of Olympic Athletes Performance** December 2023 – May 2024
 - Performed detailed analysis on athlete performance data using MySQL, Python, and Power BI, generating **data-driven reports** for stakeholders.
 - Applied machine learning algorithms to improve performance prediction accuracy by 20%, focusing on key **KPIs**.
 - Validated **data quality**, handled data queries, and identified trends, presenting insights via Power BI to project managers and stakeholders.
- Chicago Crime Data Analysis | Data Scientist** June 2023 – November 2023
 - Applied machine learning and statistical models (KNN, Decision Trees, Naive Bayes) to uncover **crime patterns**, achieving 85% accuracy.
 - Utilized **time series analysis** and **PCA** to uncover hidden trends and improve reporting accuracy.
 - Collaborated with **cross-functional teams** to ensure timely delivery and accuracy in **data processing**.
- Image Recognition Project Using CNN** May 2024 – July 2024
 - Developed a Convolutional Neural Network (CNN) using TensorFlow and Keras to categorize images with 90% accuracy.
 - Applied automation tools to **optimize model training** and **improve process efficiency**.

Achievements

- Secured second place in a university-level competition 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.

Skills

- Programming Languages:** Python, R, **SQL**.
- Data Analysis & Visualization:** Excel, Power BI, Minitab.
- Tools:** GitHub, PyCharm, Streamlit, Visual Studio Code, Jupyter Notebook, Microsoft Office
- Soft Skills:** Communication, Collaboration, Adaptability.
- 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.