

Archana Chinhole

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[Linkedin](#) | [Github](#)

Education

- **M.sc (Master's Degree in Statistics)**
Savitribai Phule Pune University

August 2022 – June 2024
CGPA - 8.05

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

- **B.sc (Bachelor's degree in Actuarial Sciences)**
North Maharashtra University

August 2019 – July 2022
CGPA - 7.53

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

Internship Experience

1. IEduVibhu: Analytics Trainee

December 2023 – January 2024

- Analyzed 500 datasets for NAAC accreditation using Python, Flask, Excel, and machine learning, enhancing data accuracy by 30%. Formulated and executed data 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. Communicated insights and findings to senior management, contributing to a manual improvement in project outcomes. Emphasized career development and responsibility in project management and reporting.

2. 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.
- Designed and delivered a **fitment matrix** to the client, showcasing the **top 3** sustainability solutions with the highest potential for impact.

Projects

3. Data Analysis of Olympic Athletes Performance

December 2023 – May 2024

- Analyzed athlete performance data from multi-country populations, improving prediction accuracy by 20% and influencing sports policy changes. Leveraged Facebook and Twitter for data study and analysis.
- Applied machine learning algorithms (KNN, Decision Tree, Naive Bayes) and consumer insights from LinkedIn Learning to enhance model accuracy by 15%.
- Presented actionable insights that boosted key performance matrix by 20%, Utilized advanced software tools for analysis and visualization, managing project timelines effectively.
- Demonstrated commitment, responsibility, and innovations in managing project deliverables, deadlines.

4. Chicago Crime Data Analysis | Data Scientist

June 2023 – November 2023

- Conducted Data research across diverse populations and countries to identify crime trends, improving predictive accuracy by 15%.
- Enhanced model accuracy by 20% using Microsoft office suite and machine learning algorithms (Linear Regression, SVM, Random Forest) and exploratory data analysis (EDA). Employed Time Series analysis and Principal Component Analysis (PCA) for pattern identification.
- Implemented data exchange protocols to reduce analysis time by 25% and crafted a fitment matrix for law enforcement training, promoting career development.
- Managed project workflows using office applications and software tools including GitHub, PyCharm, and Streamlit, integrating methodologies to optimize analytical processes across global regions and Multi-Country.

Achievements

- **Secured** 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**.
- Showcased **expertise** in statistical analysis, Python programming, and data mining through **5** presentations to the NAAC committee. Employed **data visualization and 3 machine learning algorithms** to highlight key insights.

Skills

- **Programming Languages:** Python, R, **SQL**.
- **Data Analysis & Visualization:** Excel, Power BI, Minitab.
- **Soft Skills:** Communication, Teamwork, Project Management, Prioritization, dedication
- **Specialized Skills:** Market Research, Embed, Wellness, Technologies, Operations Research.
- **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.