

Archana Chinhole

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

Education

▪ M.sc (Master's Degree in Statistics)

Savitribai Phule Pune University

June 2022 – June 2024

CGPA - 8.05

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

▪ B.sc (Bachelor's degree Actuarial Sciences)

North Maharashtra University

June 2019 – June 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 stakeholder engagement by 20%, guiding sports policy development. 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 survey-based 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. Utilized peer-to-peer interactions and LinkedIn Learning skill enhancement.
- Implemented data exchange protocols to reduce analysis time by 25% and crafted a fitment matrix for law enforcement training, promoting career development by 30%.
- 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, Product Design, Employee Assistance Program (EAP), FMCG, Environment, Embed, Wellness, Equity, 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.