

Archana Chinchole

Email:archanachinchole6@gmail.com | Contact:+919823601974 | Address : Nandurbar, Maharashtra

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

Education

- | | |
|---|--|
| ▪ M.Sc Statistics
Savitribai Phule Pune University | June 2022 – June 2024
CGPA - 8.05 |
| Relevant Coursework: Advanced Statistical Methods, Data Mining, Survey-based Research, Time Series Analysis . | |
| ▪ B.Sc Actuarial Sciences
North Maharashtra University | June 2019 – June 2022
CGPA - 7.53 |
| Relevant Coursework: Probability Theory, Financial Mathematics, Statistical Inference, Risk Management, Sample Design, Universe Estimation | |

Internship Experience

- | | |
|--|-------------------------------------|
| 1. IEduVibhu: Analytics Trainee | December 2023 – January 2024 |
| <ul style="list-style-type: none">Enhanced datasets for NAAC accreditation using Python, Flask, Excel, and machine learning, enhancing data accuracy by 30%Developed and implemented data strategies, increasing statistical model efficiency by 25%.Initiated and optimized data evaluation processes, reducing manual effort by 40%.Created and maintained interactive dashboards to monitor key performance metrics.Presented insights to senior management, contributing to a 15% improvement in project outcomes. | |
| 2. Forage: Intern, ESG Virtual Experience Program | March 2023 – April 2023 |
| <ul style="list-style-type: none">Conducted comprehensive analysis and understanding of client needs and customer inside to performed comparative analysis on 10 sustainability solutions, leading to the identification of the most effective options.Created and delivered a fitment matrix to the client, identifying the top 3 high-impact sustainability solutions. | |

Projects

- | | |
|--|----------------------------------|
| 3. Data Analysis of Olympic Athletes Performance | December 2023 – May 2024 |
| <ul style="list-style-type: none">Analyzed data from over 271,116 Olympic athletes, boosting prediction accuracy by 20%.Communicated findings using MySQL, Python, and Power BI for data processing, visualization, Advance Analytics.Applied machine learning algorithms (Linear Regression, SVM, and Random Forest) develop models that identified key performance, improving performance, continuous learning, facilitated team meetings to discuss insights.Developed and shared interactive dashboards for real-time performance monitoring.Conducted exploratory data analysis (EDA) to identify 5 key factors influencing athlete performance in Olympic games. Worked closely with cross-functional teams to interpret data findings and provide insights.Conducted quality risk identification and implemented solutions, improving data integrity. | |
| 4. Chicago Crime Data Analysis | June 2023 – November 2023 |
| <ul style="list-style-type: none">Collaborated 1,048,575 rows of crime data to uncover trends and patterns.Implemented KNN, Decision Tree, and Naive Bayes algorithms, achieving an 85% accuracy rate in prediction.Streamlined data processing time by 40% through optimized data handling techniques.Performed Time Series analysis and Principal Component Analysis (PCA) to identify patterns and reduce dimensionality by 25%, data exchange protocols to integrate disparate data sources.Produced detailed reports and visualizations, presenting to a 30% increase in data-driven policy efficiency. | |

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,
- 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.