

Archana Chinchole

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

Linkedin: <https://www.linkedin.com/in/archana-chinchole-04208b269>

Education

- **M.Sc Statistics** 2022 - 2024
Savitribai Phule Pune University CGPA - 8.05
Relevant Coursework: Advanced Statistical Methods, Data Mining, Machine Learning, Time Series Analysis.
- **B.Sc Actuarial Sciences** 2019 - 2022
North Maharashtra University CGPA - 7.53
Relevant Coursework: Probability Theory, Financial Mathematics, Statistical Inference, Risk Management.

Projects

- 1. Data Analysis of Olympic Athletes Performance** December 2024 – May 2024
 - Analyzed data from over 271,116 Olympic athletes, boosting prediction accuracy by 20%.
 - **Communicated** findings using MySQL, Python, and Power BI for data processing and visualization.
 - Applied machine learning algorithms (**Linear Regression, SVM, and Random Forest**) develop models that identified key performance trends, improving performance, 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
- 2. Chicago Crime Data Analysis** June 2023 – November 2023
 - Collaborated 1,048,575 rows of crime data to uncover trends and patterns.
 - Implemented KNN, Decision Tree, and Random Forest algorithms, achieving an 85% accuracy rate in prediction.
 - Streamlined data processing time by 40% through optimized data handling techniques.
 - **Produced** Time Series analysis and Principal Component Analysis (PCA) to identify patterns and reduce dimensionality by 25%. Produced detailed reports and visualizations, presenting to a 30% increase in data-driven policy efficiency.

Internship Experience

- 3. IEduVibhu: Analytics Trainee** December 2024 – January 2024
 - Assessed datasets for NAAC accreditation using **Python**, Flask, **Excel**, and machine learning, enhancing data accuracy by 30%. led the development and implementation of data strategies that improved statistical model efficiency by 25%, facilitating better decision-making.
 - Initiated and automated data evaluation processes, reducing manual effort by 40% and increasing overall productivity. **Presented** insights and findings to **senior management**, contributing to a 15% improvement in project outcomes. Developed and maintained dashboards to monitor and track key performance metrics.
- 4. Forge: 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, leading to the identify the most effective options.
 - Created and delivered a fitment matrix to the client, identifying the top 3 high-impact sustainability solutions.

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

- **Technical Skills:** Python, R, **SQL**, Excel, Power BI, Minitab, Microsoft Office Suite.
- **Tools:** GitHub - <https://github.com/archanachinchole>, PyCharm, Streamlit, Visual Studio Code.
- **Soft Skills:** Managing Multiple Project, Tackling Complex Issue, Communication, Collaboration.
- **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.

