

Archana Chinchole

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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.
 - Presented 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**.
- Presented **NAAC** committee work, showcasing expertise in **statistical analysis**, python programming, and **data mining**. Utilized **data visualization** and **machine learning algorithms** to highlight key insights.

Skills

- **Technical Skills:** Python-Programming, R Programming, **SQL**, Excel, Power-BI, Minitab, Microsoft Office Suite.
- **Tools:** GitHub - <https://github.com/archanachinchole>, Pycharm, Streamlit, Visual Studio Code, Flask.
- **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.

