

# Archana Chinchole

Email:[archanachinchole6@gmail.com](mailto:archanachinchole6@gmail.com) | Contact:+919823601974 | Address : Nandurbar, Maharashtra

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

## Education

- **M.Sc Statistics** June 2022 – June 2024  
Savitribai Phule Pune University CGPA - 8.05  
**Relevant Coursework:** Advanced Statistical Methods, Data Mining, Survey-based Research, **Time Series Analysis.**
- **B.Sc Actuarial Sciences** June 2019 – June 2022  
North Maharashtra University 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
  - Refined datasets for NAAC accreditation using Python, Flask, Excel, and machine learning, enhancing data accuracy by 30%.
  - Formulated and executed data strategies, increasing statistical model efficiency by 25%.
  - Spearheaded evaluation processes, reducing manual effort by 40%.
  - Constructed and updated interactive dashboards to monitor key performance metrics.
  - Delivered insights to senior management, contributing to a 15% improvement in project outcomes.
- 2. Forage: Intern, ESG Virtual Experience Program** March 2023 – April 2023
  - Analyzed and assessed client needs to perform a comparative analysis of 10 sustainability solutions, identifying the most effective options.
  - Developed and presented a fitment matrix, highlighting the top 3 high-impact sustainability solutions.

## Projects

- 3. Data Analysis of Olympic Athletes Performance** December 2023 – May 2024
  - Conducted a comprehensive analysis of data from over 271,116 Olympic athletes, increasing prediction accuracy by 20%.
  - Leveraged ML algorithms (Linear Regression, SVM, Random Forest) to build models identifying key performance.
  - Performed exploratory data analysis (EDA) to uncover 5 crucial factors influencing athlete performance.
  - Managed data processing and visualization using MySQL, Python, and Power BI for advanced analytics.
  - Created and deployed interactive dashboards to facilitate real-time performance tracking.
  - Identified and mitigated quality risks, bolstering data integrity.
- 4. Chicago Crime Data Analysis** June 2023 – November 2023
  - Analyzed over 1,048,575 rows of crime data to reveal patterns and trends.
  - Applied KNN, Decision Tree, and Naive Bayes algorithms, achieving an 85% prediction accuracy.
  - Optimized data handling processes, reducing processing time by 40%.
  - Utilized time series analysis and principal component analysis (PCA) to detect patterns and reduce dimensionality by 25%. Executed machine learning tests and fine-tuned models based on test results.
  - Generated reports and visualizations, contributing to a 30% enhancement in data-driven policy-making.

## 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.**
- **Tools:** GitHub, PyCharm, Streamlit, Visual Studio Code, Microsoft Office applications, Jupyter Notebook.
- **Machine Learning & AI:** TensorFlow, Keras, PyTorch, Scikit-learn, NLP, Gen AI
- **Reporting & Dashboards:** Advanced skills in SSRS, Power BI, Minitab
- **Database & Data Management:** SQL, Data Modeling, Data Warehousing, RDBMS, Data Extraction
- **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.