Archana Chinchole

Email: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**
   - Assessed and processed datasets for NAAC accreditation using Python and Flask, achieving a 30% improvement in data accuracy.
   - Led the development of data pipelines for statistical model efficiency, improving outcomes by 25%.
   - Automated **data evaluation processes**, reducing manual tasks by 40% and improving productivity.
   - Presented **data-driven insights** to senior management, contributing to a 15% improvement in overall project results.

2. **Forage: Intern, ESG Virtual Experience Program**   March **2023 – April 2023**
   - Conducted comparative analysis of 10 sustainability solutions, identifying and recommending high-impact options to clients.
   - Created and delivered a fitment matrix, aligning client needs with optimal solutions for greater business impact.

Projects

3. **Sports Data Analysis: Olympic Athletes Performance**   **December 2023 – May 2024**
   - Managed data processing and visualization for 271,000 Olympic athletes, ensuring data accuracy and reliability for decision-making.
   - Built predictive models using machine learning algorithms (SVM, Random Forest), increasing prediction accuracy by 20%.
   - **Utilized advanced Excel for data validation and reporting**, contributing to insights that improved performance.
   - Collaborated with cross-functional teams to implement data automation processes, optimizing workflow efficiency.

4. **Chicago Crime Data Analysis**   **June 2023 – November 2023**
   - Processed 1,048,575 rows of crime data, identifying key trends and patterns through **machine learning** and **predictive modeling**.
   - Applied algorithms like KNN, Decision Tree, and Random Forest, resulting in 85% accuracy, while maintaining **data quality** throughout the project.
   - **Automated data processing and Excel-based reporting**, reducing manual efforts by 40% and improving overall project productivity.
   - Created detailed **data-driven reports** and visualizations, aiding in effective **data analysis** and decision-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**.
- **Data Analysis & Visualization**: Excel, **Power BI**, **Minitab**.
- **Tools:** GitHub, PyCharm, Streamlit, Visual Studio Code, Microsoft Office applications, Jupyter Notebook.
- **Machine Learning & AI**: TensorFlow, Keras, PyTorch, Scikit-learn, NLP, Gen AI
- **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.