Archana Chinchole

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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

Projects

1. Sports Data Analysis: Olympic Athletes Performance   **December 2023 – May 2024**

- Conducted comprehensive data analysis on 271,116 Olympic athletes to ensure data accuracy and consistency.
- Built and validated predictive models using machine learning algorithms, achieving a 20% increase in prediction accuracy.
- Processed and visualized data using MySQL, Python, and Power BI, ensuring the reliability of data for insights.
- Facilitated team meetings to discuss key findings and trends, improving decision-making processes.

2. Chicago Crime Data Analysis   **June 2023 – November 2023**

- Analyzed 1,048,575 rows of crime data to uncover trends and patterns using KNN, Decision Tree, and Random Forest.
- Developed predictive models that achieved an 85% accuracy rate in predicting crime occurrences
- Streamlined data processing by 40% through optimized handling techniques, improving the speed and accuracy of analysis.
- Emphasized data validation and accuracy, ensuring high-quality outputs for data-driven policy decisions.
- Generated comprehensive reports and visualizations, contributing to a 30% enhancement in data-driven policy-making.

Internship Experience

3. IEduVibhu: Analytics Trainee   **December 2023 – January 2024**

- Assessed and processed datasets for NAAC accreditation, enhancing data accuracy by 30%.
- Led the development and implementation of data strategies, improving statistical model efficiency by 25%.
- Automated data evaluation processes, reducing manual effort by 40% and increasing productivity.
- Presented insights to senior management, contributing to a 15% improvement in project outcomes.

4. 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.

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.