Archana Chinchole

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# Resume Summary

# Data Scientist with an M.Sc. in Statistics and a strong foundation in statistical inference, consumer insights, and global data analysis. Proficient in Python and R, with hands-on experience in product design, market research, and operations research. Adept at managing projects, leading teams, and delivering innovative solutions that align with business objectives. **Enthusiastically committed to continuous learning and adapting to new technologies, with a focus on driving data-driven decisions in diverse environments. Demonstrates problem-solving abilities and strong organizational skills.**

# Education

## M.sc (Master’s Degree in Statistics) June 2022 – June 2024

Savitribai Phule Pune University CGPA - **8.05**

**Relevant Coursework**: Advanced Statistical Methods, Data Mining, Survey Design, **Statistical Inference**, **Operations Research**.

## B.Sc Actuarial Sciences June 2019 – June 2022

North Maharashtra University CGPA - **7.53**

**Relevant Coursework:** Probability Theory, Financial Mathematics, Risk Management, **Sample Design**, **Universe Estimation**

# Internship Experience

## IEduVibhu: Analytics Trainee December 2023 – January 2024

* Conducted extensive **market research** and **consumer insights** analysis to support product development.
* Led the design and implementation of a data-driven strategy that optimized **product design** and enhanced user experience.
* Managed cross-functional projects with a focus on **global reach and multi-country data integration**.
* Developed advanced **statistical inference** models and deployed them in real-world scenarios, improving operational efficiency by 20%.
* Applied **problem-solving techniques** to overcome project challenges and deliver effective solutions.

1. **Forage: Intern, ESG Virtual Experience Program** March **2023 – April 2023**

• Collaborated on the **design and development** of data analysis tools, focusing on **sample design** and data accuracy.

• Supported team efforts in creating **employee assistance programs** to enhance workplace well-being.

• Utilized **Microsoft Office** and **LinkedIn Learning** tools for project management and professional development.

• Demonstrated **organizational skills** in managing and prioritizing tasks to meet project deadlines.

# Projects

## Data Analysis of Olympic Athletes Performance December 2023 – May 2024

* Applied **Operations Research** and **Mathematics** to uncover trends in crime data, leading to actionable insights for law enforcement agencies.
* Utilized advanced machine learning algorithms (KNN, Decision Tree, and Naive Bayes), to predict crime hotspots.
* Presented findings and recommendations, demonstrating strong **communication** and **reporting** skills.
* Employed **analytical thinking** to derive meaningful conclusions from complex datasets.

## Chicago Crime Data Analysis June 2023 – November 2023

* Conducted survey-based research to identify key factors influencing **crime trends**, improving prediction accuracy by 15%.
* Deployed **data exchange** protocols to integrate multi-country data for comprehensive analysis.
* Developed a fitment matrix to guide career development and training for **law enforcement professionals**.
* **Organized and managed** the data analysis workflow to ensure accurate and timely results.

# 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.
  + **Office Applications:** Microsoft Office, LinkedIn Learning, GitHub
  + **Soft Skills:** Communication, Teamwork, **Time Management**, Project Management, **Prioritization,** Responsible, Commitment, Dedicated, Planning
  + **Specialized Skills:** **Market Research**, **Product Design**, **Global Reach**, **Employee Assistance Program (EAP),** FMCG.
  + **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.