BHAGYASHREE CHAVAN

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SUMMARY

Results-driven Data Analyst with over 4 years of experience in data analytics, statistical modeling, and business intelligence. Proven ability to transform complex datasets into actionable insights, optimize processes, and support data-driven decision-making. Proficient in Python, SQL, Tableau, and Power BI, with expertise in data visualization, ETL processes, and dashboard development. Adept at collaborating with cross-functional teams to deliver impactful analytics solutions.

SKILLS & TECHNICAL EXPERTISE

- **Programming:** Python, SQL, R
- **Machine Learning & AI:** Linear/Logistic Regression, Decision Trees, Random Forests, SVM, K-Means, Naive Bayes, Deep Learning (CNN, Neural Networks)
- **Data Manipulation & Analysis:** Pandas, NumPy, SciPy, Scikit-learn, Seaborn
- **Data Visualization:** Tableau, Power BI, Matplotlib, ggplot2
- **Big Data & Cloud:** AWS (S3, Lambda, Redshift), Hadoop, Spark
- **Database Management:** PostgreSQL, MySQL, MS SQL Server
- **Other Tools:** Jupyter Notebook, Git, Google Colab, Excel (Advanced)
- **Methodologies:** Agile, SCRUM, Waterfall

PROFESSIONAL EXPERIENCE

Data Analyst | INFINICS LLC | North Carolina, USA | 2023 - continued

- Developed and automated data pipelines using Python, improving efficiency by 40%.
- Designed interactive dashboards in Power BI and Tableau, integrating Python scripts for automated reporting, enhancing reporting efficiency by 30%.
- Performed data cleansing and preprocessing using SQL and Pandas to ensure data accuracy and integrity.
- Collaborated with business teams to translate requirements into actionable insights.

Data Scientist | SBA Network LLC | Florida, USA | 2022 - 2023

- Conducted demand forecasting using Python and regression analysis, leveraging Pandas, NumPy, and Scikit-learn to preprocess data and improve forecast accuracy, reducing overstock by 20%.
- Conducted demand forecasting using Python and regression analysis, reducing overstock by 20%.
- Created Tableau dashboards with Python integrations for real-time business insights.
- Optimized SQL queries for large datasets, improving query performance by 25%.

Data Analyst Intern | Yanuvia Inc. | Florida, USA | 2021 - 2021

- Conducted **data analysis** for healthcare management decision-making.
- Cleaned and processed raw data using Pandas and Excel, reducing data inconsistencies by **35%**.

Jr. Data Analyst Intern | Hexanika Inc. | Arkansas, USA | 2021 - 2021

- Designed machine learning **analysis systems** for large-scale data processing.

- Built **predictive models** and performed exploratory data analysis (EDA).

Data Analyst Intern | Emerest Health Care Group | New Jersey, USA| 2020 – 2020

- Performed **Market Research** and data analysis to identify trends in healthcare organizations, leading to **10% improvement in operational efficiency**.
- Utilized **SQL, MS Excel, and Python** to prepare reports for senior management, enabling better business decisions.

KEY ACHIEVEMENTS

- Published Research Papers:
    - Time Series Analysis on Social Media Posts: A study on TS Restaurants in Hawaii. **[View Paper]**
    - Time Series Analysis on Social Media | Analyzed restaurant data trends, leading to a 20% increase in engagement.
    - Marketing Plan for Sqsqueezer Company: Developed a comprehensive marketing strategy. **[View Paper]**
- Customer Churn Prediction | Implemented ML models (Random Forest, SVM) to predict churn with 85% accuracy.
- Salary Prediction Model | Developed a model using Decision Trees & AdaBoost, achieving 90% accuracy.
- Big Data Processing | Designed and optimized Python-based ETL pipelines, reducing data processing time by 50%.

PROJECTS

- **Capstone Project: Access and Mobility – Social Determinants of Health (SDOH)**
    - **Technology:** ArcGIS, Python, Tableau, MS Excel
    - Explored transportation and distance-to-care factors impacting healthcare outcomes.
    - **[View Project]**
- Customer Churn Prediction
    - Technology: **Python (Random Forest, SVM)**
    - **Achieved** 85% accuracy **in predicting customer churn, reducing churn by** 15%**.**
- Salary Prediction Model
    - Technology: **Python (Decision Trees, AdaBoost)**
    - **Developed a model with** 90% accuracy **to predict salary ranges based on demographic data.**
- Big Data Migration on AWS
    - Technology: **AWS Redshift, Python, PostgreSQL**
    - **Optimized a Redshift cluster, reducing query time by** 50%**.**
- Time Series Analysis on Social Media
    - Technology: **Python, Tableau**
    - **Analyzed restaurant data trends, leading to a** 20% increase in engagement**.**

EDUCATION

Saint Peter's University, New Jersey | M.S. in Data Science | GPA: 3.90/4.00 (2019-2021)

Relevant Coursework: Data Visualization, Machine Learning, Business Analytics, Data Mining, Statistical Programming

Institute of Technology Management B-school, Mumbai | MBA in Marketing (2016-2018)

Thadomal Shani Engineering College, Mumbai University | B.Tech in Biotechnology (2011-2014)

CERTIFICATIONS

- AWS Certified Data Analytics - Specialty
- Google Data Analytics Professional Certificate
- Tableau Desktop Specialist
- Tableau Data Scientist

PUBLICATIONS & ACHIEVEMENTS

- Published Research Paper: **"Time Series Analysis on Social Media Posts"** | [Google Scholar](#)
- Published Research Paper: **"Marketing Plan for SQSQUEEZER Company"** | [Academia](#)
- Volunteered at **Bio-separation and Downstream Processing National Seminar**