



TANVI GHODKE

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SUMMARY

Aspiring AI and Data Science professional with a strong foundation in biotechnology, transitioning to AI with certifications in Python, Data Science, and AI. Experienced in data analysis, machine learning, and Python programming, with hands-on projects in predictive modeling, healthcare AI applications, and bioinformatics. Passionate about leveraging AI and data science for healthcare and social good, with a commitment to building data-driven solutions that impact lives.

EDUCATION

**1.Ramniranjan Jhunjhunwala College of Arts,
Science, and Commerce**

**Ghatkopar, Mumbai
2021- 2024**

Bachelor of Science (B.Sc.) in Biotechnology

GPA: 9.08

Relevant Coursework: Probability and Statistics, Bioinformatics, Biostatistics

2. Rao Junior College 12th Standard , (HSC)

**Thane, Mumbai
2020 - 2021**

Percentage : 93.83%

Relevant Coursework: Physics , chemistry , English and communication, Information Technology ,

WORK EXPERIENCE

1.Quantium Data Analytics Job Simulation on Forage

November 2024

- Analyzed transaction datasets for customer insights and developed data-driven commercial recommendations.
- Conducted uplift testing for trial store layouts, enhancing strategic decision-making.
- Created comprehensive analytical reports for Category Managers.

2.British Airways Data Science Job Simulation on Forage

November 2024

- Scraped and analyzed customer review data to identify insights on purchasing behavior.
- Built a predictive model to understand buying factors, supporting enhanced customer insights.

3.BCG GenAI Job Simulation on Forage

November 2024

- Developed an AI-powered financial chatbot using Python, incorporating data from financial reports.
- Utilized Python libraries (e.g., Pandas) for data manipulation, enhancing user-friendly financial insights.

PROJECTS

1. Healthcare Predictive Modeling

- Developed a machine learning model to predict patient outcomes, focusing on metrics like readmissions and treatment success using EHR data.
- Technologies: Python, Pandas, scikit-learn.
- Impact: Enabled proactive healthcare by identifying high-risk cases for better resource allocation.

2. Sentiment Analysis in Patient Feedback

- Built a sentiment analysis model to assess patient feedback and identify areas for improvement in healthcare services.
- Technologies: Python, sentiment analysis techniques.
- Impact: Provided insights into patient satisfaction, aiding in enhancing service quality.

3. Genome Sequence Analysis for Disease Prediction

- Analyzed genome sequences to predict disease susceptibility using genetic markers.
- Technologies: Python, Biopython.
- Impact: Showcased AI's role in genetics research, contributing to predictive health analytics.

4. COVID-19 Data Analysis and Visualization

- Conducted EDA on COVID-19 data, visualizing trends across countries.
- Technologies: Python, Pandas, Matplotlib.
- Impact: Supported pandemic-related decision-making through actionable insights.

5. Text Summarization Tool (Python Script)

- Created a Python script to summarize text based on word frequency.
- Technologies: Python, regular expressions.
- Impact: Enabled quick extraction of key information from large text data.

6. Basic Scientific Calculator (Python Script)

- Developed a Python-based calculator for basic arithmetic operations.
- Technologies: Python (functions and conditionals).
- Impact: Demonstrated core programming and algorithmic skills.

SKILLS

- **Programming Languages & Tools:** Python (Pandas, NumPy, scikit-learn), SQL, Git, Excel
 - **Data Visualization & Analysis:** Matplotlib, Seaborn, Plotly
 - **Machine Learning Techniques:** Supervised and unsupervised learning, NLP, time series analysis (ARIMA)
 - **Soft Skills:** Problem-solving, adaptability, teamwork (GitHub collaboration)
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CERTIFICATIONS

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|---|---------------|
| 1. Python for Data Science (Udemy) | October, 2024 |
| 2. Associate AI Engineer Certification (DataCamp) | October, 2024 |
| 3. Associate Data Scientist in Python (DataCamp) | October, 2024 |
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EXTRACURRICULAR ACTIVITIES

Member, DLLE (University of Mumbai)

Women Empowerment Project (2022-2023):

- Organized seminars, workshops, and street plays to promote women's empowerment and social awareness.
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LANGUAGES

- English (Fluent)
 - Hindi (Native)
 - Marathi (Native)
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PROFESSIONAL INTEREST

- Artificial Intelligence & Machine Learning - with a focus on real-world applications in healthcare and life sciences
 - Data Science & Analytics
 - Health Data Science
 - Bioinformatics & Health Informatics
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HOBBIES

- Reading Scientific & Tech Articles
- Writing & Blogging
- Creative Problem Solving (Puzzles & Strategy Games)
- Fitness & Outdoor Activities