ATHARV TEMBHURNIKAR

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Education

University of Maryland, College Park	**Aug 2025- May 2027**
Master of Science in Data Science	
Savitribai Phule Pune University	**Aug 2021 – May 2025**
Bachelor of Technology in Artificial Intelligence and Data Science	*CGPA- 3.83/4.0*

Experience

Data Science Intern – Hackveda Private Limited (Pune, India)　　　　　　**Jan 2025 – Jun 2025**

- Processed and analyzed real-time e-commerce data including orders, pricing, discounts, product categories, warehouses,inventory, and delivery times.
- Designed interactive dashboards in Power BI to monitor sales trends, regional performance, stockouts, and delivery efficiency.
- Conducted statistical analysis to understand how discounts and pricing affected order volume and revenue.
- Generated insights on peak order times, fast/slow-moving product categories, and regional demand patterns, supporting data-driven decisions in inventory and promotions.

Research Assistant – Savitribai Phule Pune Univeristy　　　　　　　　**Jan 2023 – Dec 2023**

- Conducted research on AI-based fitness applications, focusing on real-time posture recognition and correction using CNN and Mediapipe.
- Published findings as First Author at IEEE TEECCON 2024, highlighting the role of computer vision in improving health and fitness outcomes.
- Assisted in dataset preparation, model training, and technical writing, contributing to the project's successful conference acceptance.

Projects and Publications

EcoIntel | *Research paper based on findings of this project is published at IEEE ICCC conference (Feb 2025)*

- Conducted research on fake review classification using XGBoost and sentiment analysis using a CNN-LSTM model, aimed at enhancing sentiment analysis accuracy by filtering out fake reviews from product web pages.
- The paper discusses methods to improve customer decision-making by identifying and removing fake reviews, thereby providing more reliable sentiment insights.
- Created interactive visualizations to present sentiment insights aiding customers in understanding product feedback.

SkillSync | *Python, spaCy, NLTK, KNN*

- Developed a robust resume parser enhancing the efficiency of candidate screening processes.
- Implemented Named Entity Recognition techniques to extract key information from resumes and job descriptions, enabling accurate skill and qualification matching.
- Engineered a ranking system that evaluates resumes against given job descriptions, providing a percentage match and facilitating streamlined candidate selection processes for recruitment teams.

Talent Trackers:Analyzing Football | *Python, Streamlit, Matplotlib, Supervised Learning*

- Conducted in-depth analysis and created visualizations of football players' performance metrics, improving the understanding of tactical strategies.
- FIFA World Cup 2022 Group Stage match winner predictions using supervised learning approaches

Technical Skills

Languages: Python, SQL, Java
Libraries/Frameworks: NumPy, pandas, scikit-learn, TensorFlow, spaCy, NLTK
Developer Tools: Git, Github
Data Analysis/Visualization: Power BI, Tableau, Matplotlib

Relevant Coursework

Probability and Statistics, Introduction to Data Science, Introduction to Machine Learning

Achievements

- Winner of AI Artist INNOVATION24 Competition organized by Cummins College of Engineering, Pune.
- Finalist at Viz-a-thon organized by Artificial Intelligence Student's Association, VIIT, Pune.