Akanksha Kailas Wagh

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EDUCATION

Master of Science in Data Science Expected May 2025
Stevens Institute of Technology, New Jersey.
Coursework: Applied Machine Learning, Introduction to Probability, Web Mining, Statistical Methods, Optimization for Data Science, Marketing Analytics, Data Visualization and Applications.

Bachelor of Technology in Information Technology June 2023
Savitribai Phule Pune University, India. **GPA: 3.84/4.0**
Relevant Coursework: Advance Python, Calculus, Machine Learning, Artificial Intelligence, Deep Learning, Computational Statistics, Business Analytics, Data Structures, Database Management System, Computational Complexity and Algorithm, Data Wrangling.

TECHNICAL SKILLS

Programming: Python, R, SQL, CPP, Selenium, HTML, CSS.
Tool/Software: Microsoft Office Suites, Ubuntu, Tableau, Jupyter, R Studio, Visual Studio, MongoDB, MySQL.
Data Science Libraries: Pandas, NumPy, Matplotlib, Seaborn, Scikit-Learn, SciPy, NLTK, TensorFlow, Keras, BeautifulSoup.
Interests: AI/ML, Big Data Processing, Statistical Analysis, Advanced Statistical Modeling, Data Mining, Data-driven decision making, Predictive Modeling, Business Intelligence, Cloud Computing, Data Warehousing, Time series analysis, Natural Language Processing.

RELATED EXPERIENCE

Data Analyst Intern, Tata Motors Limited, India. January 2023 – June 2023
- Analyzed IT Service Desk data using SQL, R-programming and Tableau for analysis and visualization.
- Boosted system performance by 25% and reduced manual labor by 20% through data-driven recommendations.
- Designed a real-time usage performance dashboard using Figma for ongoing feature usage tracking, presenting it to the stakeholders for performance enhancement.

Data Analyst Intern, Dev Town, India. August 2021- November 2021
- Applied predictive analytics to maximize inventory management insights and assure sustainable development and profitability, with a 91% accuracy rate in sales predictions.
- Resulted in a substantial reduction in excess inventory and a notable boost of 12% in sales efficiency.

PROJECTS

Amazon Product Comparison November 2023 - December 2023
- Executed data scraping on Amazon.com for customer reviews of two products and produced a comparative report.
- Performed a comparative analysis using advanced analytical techniques like Opinion Mining and Topic Modeling.

A Comparative Study of Student Success and Retention Rates in Pursuing Higher Education October 2023 - December 2023
- Conducted comprehensive Exploratory Data Analysis (EDA) and developed a predictive model utilizing 5 ML algorithms: Gradient Boosting, Decision Tree, SVM, Random Forest, Logistic Regression to anticipate college student graduation.
- Achieved a remarkable 91.1% accuracy, showcasing proficiency in data-driven decision-making for impactful results.

Self-Generated Soccer Highlights using Inflated 3D CNN September 2022 – June 2023
- Led a team of 4 to develop a machine learning model for soccer match summarization using an Inflated 3D Convolutional Neural Network for action recognition and motion detection.
- Utilized the SoccerNet dataset and OpenCV for data augmentation to identify key events like goals, substitutes, and penalties.
- Achieved 95% accuracy in generating concise video clips, enhancing the viewing experience with video overlay techniques.

PUBLICATIONS

Akanksha Wagh, Nihar Ranjan, Shraddha Jainak**,** Mayur Pawar, Santoshi Pande, "Self-Generated Soccer Highlights using Inflated 3D CNN", ***IEEE***, 22nd January 2024.