Akanksha Kailas Wagh

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EDUCATION

Master of Science in Data Science *Expected May 2025*
Stevens Institute of Technology, Hoboken, NJ. **GPA: 3.44/4.0**
Coursework: Applied Machine Learning, Introduction to Probability, Web Mining, Statistical Methods, Optimization for Data Science, Data Visualization and Applications.

Bachelor of Technology in Information Technology *June 2023*
Savitribai Phule Pune University, India. **GPA: 9.62/10**
Relevant Coursework: Advance Python, Calculus, Machine Learning, Artificial Intelligence, Deep Learning, Computational Statistics, Business Analytics, Data Structures, Database Management System, Computational Complexity and Algorithm.

SKILLS

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

WORK EXPERIENCE

Data Analyst Intern | Tata Motors Limited, India. *January 2023 - June 2023*
- Analyzed IT Service Desk data using SQL, R for analysis and visualization of requests and issues received.
- Boosted performance of IT services by 25% and reduced manual labor by 20% through data-driven recommendations.
- Designed a functional prototype of a real-time usage performance dashboard using Figma for executive management to support data analytics for the Employee Portal.

Data Analyst Intern | Dev Town, India. *August 2021 - November 2021*
- Utilized predictive analytics to optimize inventory management insights, with a 91% accuracy rate in sales predictions by applying statistical techniques including data mining, regression, and cluster analysis to recognize patterns.
- Led to a substantial decrease in surplus inventory and a noteworthy 12% enhancement in sales efficiency.

PROJECTS

Comparative Analysis of Amazon Products *November 2023 - December 2023*
- Scraped customer reviews of two products on Amazon.com and produced a comparative report leveraging Python.
- Steered a team of 3 to perform a comparative analysis with the help of advanced analytical techniques including 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 deploying 5 ML algorithms: Gradient Boosting, Decision Tree, SVM, Random Forest, Logistic Regression to previse college student graduation.
- Achieved 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 leveraging 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: goals, substitutes, and penalties.
- Achieved 95% accuracy in generating concise video clips, enhancing 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.