

Akanksha Kailas Wagh

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EDUCATION

Master of Science in Data Science

Stevens Institute of Technology, Hoboken, NJ.

Expected May 2025

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

Savitribai Phule Pune University, India.

June 2023

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, Matplotlib, Seaborn, Scikit-Learn, SciPy, NLTK, TensorFlow, Keras, BeautifulSoup, PyTorch, OpenCV.

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

Marketing Data Analyst Intern | Stevens Institute of Technology, New Jersey.

February 2024 - Present

- Employed Python for data analysis and employed Excel for management, ensuring precise insights.
- Collaborating cross-functionally to gather and clean data, perform statistical analysis, and present insights using Tableau.
- Implement strategies to enhance customer retention and maintain Stevens' dining website for improved user 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

- Leveraged 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

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 pre-advise 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.