SANSKRUTI CHAVANKE

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# EDUCATION

## Master of Science - Data Science June 2025

## Drexel University | College of Computing & Informatics, Philadelphia, PA GPA: 3.62

## Bachelor of Engineering - Computer Engineering July 2023

## Savitribai Phule Pune University | MVP’s KBT College of Engineering, Nashik, MH GPA: 3.49

# PROFESSIONAL EXPERIENCE

## Data Analyst | Empress Global Logistics Pvt. Ltd., Navi Mumbai, India October 2024 - January 2025

* Analyzed warehouse and logistics data to identify trends and inefficiencies, providing actionable insights to improve operations by 27%.
* Monitored inventory data, ensuring accuracy and reducing overstock and shortages through data-driven recommendations.
* Developed Power BI dashboards and predictive models, enhancing decision-making, optimizing freight allocation, and improving delivery efficiency by 18%.
* Collaborated with teams on buyer consolidation strategies, boosting customer satisfaction by 24%.

## Data Analyst | DruFarm Technology Pvt. Ltd., Nashik, India June 2022 - November 2022

* Analyzed agricultural data, improving accuracy by 21% and enabling informed decision-making for farmers.
* Developed 10+ Power BI dashboards, visualizing trends to support sustainability initiatives.
* Optimized data pipelines, boosting workflow efficiency by 29% and enhancing product tracking.
* Performed statistical analyses to uncover actionable insights for resource optimization and crop performance.

## Project Analyst | N-Tech Solution, Nashik, India February 2022 - May 2022

* Redesigned the "Stock Consumption Management System" for a medical college canteen, improving operational efficiency by 25% and optimizing resource usage.
* Developed a robust SQL database schema, reducing data retrieval time by 30%, enabling faster and more accurate stock and transaction management.
* Implemented process improvements, achieving measurable operational gains and business alignment.
* Leveraged C#, SQL, and Visual Studio to design and deploy systems, showcasing technical expertise and leadership.

## Web Developer | Exposys Data Labs., Bangalore, India August 2021- September 2021

* Engineered 'ExploreCalifornia,' a responsive, multi-page website showcasing detailed insights into California's attractions.
* Designed and integrated interactive features to engage users and provide dynamic information on must-visit places, significantly enhancing user interaction and overall experience.
* Optimized performance and functionality using HTML, CSS, JavaScript, SQL, and XAMPP Control Panel, ensuring seamless and responsive design across platforms.
* Collaborated with the team to create an intuitive and accessible interface, streamlining navigation for visitors planning to explore California.

# TECHNICAL SKILLS

**Programming Languages:** Python, C,R, Java, JavaScript, HTML, MATLAB.

**Data Visualization**: Tableau, Power BI, Orange.

**Data Management:** SQL, Oracle, MongoDB, MS Azure Data Studio, SnowFlake, MS Excel.

**Machine Learning Frameworks:** Scikit-learn, Statsmodels, TensorFlow, PyTorch.

**Statistical Modelling**: Regression, Classification, Clustering, Time Series, Monte Carlo, Gradient Descent, Regularization.

**Data Governance**: Data Quality Frameworks, ETL Processes, Data Lineage Documentation

**Cloud & DevOps Tools:** Amazon Web Services, Google Cloud Platform, Salesforce Inc., Jupyter Notebooks

# CERTIFICATIONS & COMPETITIONS

## Google Data Analytics Professional Certificate- Google

* **Disruptor Games – Aramark & Drexel LeBow College of Business**   
  *Tech-business innovation competition; presented strategic ideas to industry judges.*

# ACADEMIC PROJECTS

## Anime Recommendation System January 2025 - March 2025

* Developed a personalized hybrid recommender system using SVD and content-based filtering on 120K+ user ratings and anime metadata.
* Achieved 0.668 RMSE and 100% Precision@10, outperforming standalone models in both accuracy and relevance.
* Applied PCA and Nearest Neighbors for genre similarity; evaluated models on diversity, novelty, and cold-start.

## Depot of NBA Documentation – KBT College of Engineering July 2022 - June 2023

* Build an online documentation system, boosting document retrieval accuracy by 75% using innovative filtering and recommendation models for 10,000+ accreditation documents.
* Enhanced user engagement by 40% with a Streamlit-based interface, simplifying access to documentation for faculty and students.
* Integrated the system into daily operations, improving workflow efficiency and promoting transparency in document access.
* Ensured active usage of the system to manage documentation effectively, supporting NBA accreditation processes.