

SANSKRUTI CHAVANKE

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EDUCATION

Master of Science - Data Science

Drexel University | College of Computing & Informatics, Philadelphia, PA

June 2025

GPA: 3.62

Bachelor of Engineering - Computer Engineering

Savitribai Phule Pune University | MVP's KBT College of Engineering, Nashik, MH

July 2023

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.