

SAKSHI CHAVAN

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EDUCATION

Binghamton University, State University of New York, Thomas J. Watson College of Engineering and Applied Science

Master of Science in Computer Science

May 2024

Savitribai Phule Pune university, Sandip Institute of Technology and Research Centre

Bachelor of Engineering in Computer Engineering

August 2022

TECHNICAL SKILLS

Languages : Python, R, MySQL, C,C++

Tools/Packages/Libraries : Tableau, Microsoft Power BI, Matplotlib, Seaborn, Excel, NumPy, Pandas, SciPy, ggplot2

Additional Skills : Business/Data Analytics, Exploratory Data Analysis (EDA), Data Warehousing, Data Modeling, Data Wrangling, Data Visualization , ETL (Extract, Transform, Load), Machine Learning, Data Cleaning and Preprocessing Techniques, A/B Testing

Operating System & Methodologies: Windows, macOS , SDLC, Agile, Waterfall

Certifications : Career Essentials in Data Analysis, Project Management and Generative AI by Microsoft , Intro. to Machine Learning

PROFESSIONAL EXPERIENCE

Techbee Consulting, Data Analyst Intern | Maharashtra, India

January 2022 - June 2022

- Conducted EDA on e-commerce sales, customer behavior, and website traffic data using Python, Matplotlib, and Seaborn, identifying trends that boosted sales conversion rates by 15%
- Crafted and maintained Tableau dashboards to visualize key metrics enabling stakeholders to gain insights into the data
- Co-ordinated in data preprocessing, feature engineering, and implementing sentiment analysis on customer reviews using natural language processing (NLP) techniques in Python to enhance data quality, model performance, and derive insights

ITFMS Infotech Pvt. Ltd, Data Analyst Intern | Maharashtra, India

May 2021 - September 2021

- Leveraged Excel functionalities including PivotTables, VLOOKUP, and data validation to clean, transform, and analyze datasets, resulting in accurate insights
- Developed VBA macros to automate repetitive tasks and generate weekly and monthly performance reports, reducing manual effort by 50% and ensuring timely and accurate data delivery

Websolguru, Campus Ambassador Intern | Bihar, India

September 2020 - December 2020

- Led campus-wide marketing initiatives, orchestrating tech demos with Python, HTML, CSS, and JavaScript
- Implemented SEO strategies and SEMrush to boost website visibility by 20% improving search engine ranking by 15%
- Communicated values and vision to 1000+ students with Microsoft Office Suite and Google Suit, enhancing brand awareness

ACADEMIC PROJECTS

Diwali Sales Data Analysis <https://github.com/sakshichavan4/Diwalisalesanalysis.git>

- Reviewed sales data using Python libraries (NumPy, Pandas, Matplotlib, Seaborn) and advanced EDA techniques
- Built machine learning models (Random Forest, Decision Tree, KNN) to predict product categories achieving 87% accuracy

Retail Analytics and Forecasting <https://github.com/sakshichavan4/retail-sales-and-forecasting.git>

- Analyzed and visualized product sales using Pandas and Matplotlib, revealing insights by hour, month, and country
- Applied Apriori algorithm to discover product associations, optimizing cross-selling strategies, while using SARIMAX for precise inventory forecasting which resulted in reduced stock wastage over a 12-week period

Heart Health Predictor <https://github.com/sakshichavan4/heart-heath-predictor.git>

- Designed a ML model with 85% accuracy, conducting EDA on features like age, sex, chest pain type, and serum cholesterol
- Optimized model with Scikit-Learn and visualized insights using Matplotlib and Seaborn, ensuring predictions through accuracy, precision, recall, and F1-score evaluation

Accenture North Americas, Data Analytics and Visualization Job Simulation Virtual Experience

- Completed a simulation focused on advising a hypothetical social media client as a Data Analyst at Accenture
- Cleaned, modeled, and examined seven datasets to uncover insights into content trends to inform strategic decisions

PwC Switzerland, Power BI Job Simulation

- Created impactful Power BI dashboards to communicate KPIs in response to client requirements
- Analyzed HR data, focusing on gender-related KPIs to identify root causes for executive gender balance issues

PUBLICATION

Drive Assist - A Road lane line detection system <http://www.ijcrt.org/papers/IJCRT2207494.pdf>

International Journal of Creative Research Thoughts (IJCRT), ISSN:2320-2882, Volume.10, Issue 7, pp.d719-d722, July 2022