

# Jaya Sukhwani

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## PROFILE

Data Science professional skilled in statistical modeling, machine learning, and data visualization with Python, SQL, and Excel. Experienced in extracting insights from large datasets and building predictive models for business solutions. Proven success in sales prediction, fraud detection, and automation. Eager to apply data-driven strategies and continually expand expertise in data science.

## SKILLS

### Content Creation

### Data Analysis

### Data Visualization Tools

Power BI, Tableau, and Matplotlib, Seaborn (for Python)

### Database Management

SQL, Google Sheets, Excel

### Programming Languages

Python (Pandas, NumPy, scikit-learn), SQL

### Excel Proficiency

### Machine Learning Algorithms

Classification (e.g., Logistic Regression, Decision Trees), Clustering (e.g., K-Means, Hierarchical Clustering), Regression techniques (e.g., Linear Regression), Ensemble Methods (e.g., Random Forest, Gradient Boosting)

### APIs and Web Scraping

BeautifulSoup, Scrapy (for scraping data from web pages), RESTful APIs for data extraction

### Quantitative Research

### Cloud Platforms

Azure, AWS

### Version Control

Git/GitHub for project collaboration and version control

### Customer Engagement

## EDUCATION

### B. Ed

Bhopal University  
2019 | Bhopal, India

### MSc Chemistry

Sant Hiradaram Girls College  
2012 | Bhopal, India

### BSc Biotechnology

Sant Hiradaram Girls College Bhopal  
2010

## PROFESSIONAL EXPERIENCE

### Freelancer

04/2020 – present

- Crafted and edited diverse content to align with brand style guides, adapting tone for various subjects and audiences
- Undertook varied data analysis and visualization assignments, encompassing both scientific and non-scientific domains.
- Engaged with customers to better understand needs and deliver excellent service.
- Applied analysis skills, leveraging insights, developing and deploying data models and evaluating and improving existing models to create solutions.
- Developed custom data processing scripts in Python, enhancing the flexibility and efficiency of data analysis tasks.
- Developed, designed and optimised data structures for analysis.
- Used statistical modelling and analysis techniques to reveal data trends for enhanced business forecasting.
- Managed databases using Excel and Google Sheets, extracting data effectively for further analysis.
- Used extensive experience within data retrieval, analysis and quality to improve quantitative research opportunities.

### CodSoft

Data Science Intern

03/2024 – 04/2024

- Completed following Projects - Titanic Survival Prediction, Movie Rating Prediction with Python, Iris Flower Classification, Sales Prediction using Python, Credit Card Fraud Detection. Managed time effectively to meet project deadlines, prioritising tasks and coordinating with team members for optimal productivity.
- Utilised SQL for database management, ensuring efficient data retrieval for analysis in multiple projects.
- Analysed large datasets using Python to identify trends, patterns, and insights for business decision-making.
- Engaged in continuous learning to stay abreast of emerging data science techniques and technologies, applying new knowledge to projects.
- Implemented data cleansing and preprocessing techniques to improve data quality for analysis projects.

## PROJECTS

### Early Detection of Alzheimer's Disease

Develop a tool that can predict the early stages of Alzheimer's Disease using MRI brain scan data and cognitive test scores.

### Personalized Health and Fitness Tracker

Develop a tool to track fitness data, predict future performance trends, and provide health recommendations

### Automated News Categorization and Summarization

Create a tool that automatically categorizes and summarizes news articles for users based on their preferences.

### AI-Powered Fashion Outfit Recommender

Recommend daily outfits by analyzing weather, user preferences, and wardrobe photos.

### Smart Grocery Shopping List Generator

Automatically generate grocery lists based on user preferences, health goals, and existing inventory at home.

### Interactive Storytelling App Using AI

Develop an app where users can create interactive stories that evolve based on their choices, powered by AI text generation.

## COURSES

### Python for Data Science

present

### MYSQL

present

### Data Science

- Set up automation frameworks, tools and methodology.
- Designed custom automation solutions tailored to client specifications, resulting in enhanced customer satisfaction.
- Managed technical projects utilising best practices for designing automation plans.

### Coaching Tutor

01/2012 – 03/2023

- Provided comprehensive counseling and tutoring to students for educational, personal, and behavioral challenges, designing and delivering lessons that clarified complex theories
- Established a supportive and motivational atmosphere, encouraging students to achieve their full potential.
- Implemented feedback mechanisms for students and parents, continuously improving tutoring services based on their inputs.
- Promoted a culture of continuous learning and curiosity, inspiring students to pursue knowledge beyond the curriculum.
- Monitored student progress through regular assessments and reports, identifying areas for further improvement.

## TRAINING

- Participated in Environmental Care & Sustainable Development Society, Jabalpur in 2007.
- 1 Month Training on Plant Tissue Culture from Grow Tips Biotech (13 May 2009 to 13 June 2009)
- Attended National Women's Science Congress - 2010
- Attended National Seminar on Water & Environment on 28th & 29th October 2010.
- Training on Drug Analysis during Post Graduation in 2012, from Food & Drugs Administration(M.P. Government), Idgah Hills, Bhopal

## LANGUAGES

English



Hindi

