**Swapnali Dilip Kadam**  
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**Professional Summary**

Results-driven Data Scientist with over 2 years of experience in machine learning, statistical analysis, and data visualization. Proficient in Python, R, SQL, and data science tools such as TensorFlow, Scikit-learn, and Power BI. Skilled at transforming raw data into actionable insights to drive business strategy and growth. Proven ability to solve complex problems and deliver high-impact projects in various industries.

**Core Competencies**

* **Programming Languages:** Python, R
* **Machine Learning:** Supervised and Unsupervised Learning, Feature Engineering, Model Evaluation, Hyperparameter Tuning, Ensemble Methods, Scikit-learn, XGBoost
* **Deep Learning:** Neural Networks, TensorFlow, Keras
* **Statistical Analysis:** Hypothesis Testing, Regression Analysis, Statistical Modeling, A/B Testing, Predictive Modeling, Time Series Analysis
* **Data Manipulation and Analysis:** NumPy, Pandas, SQL, Data Cleaning, Data Preprocessing
* **Data Visualization:** Matplotlib, Seaborn, Power BI, Tableau
* **Big Data Technologies:** Hadoop, Spark
* **Cloud Platforms:** AWS (EC2, S3), Azure
* **Advanced Skills:** Natural Language Processing (NLP),Language Models (LLM)
* **web development frameworks:** Django, Flask
* **Project management and software development:** Agile
* **Version Control:** Git, GitHub
* **Tools and Frameworks:** Jupyter Notebooks, Anaconda, VS Code
* **Soft Skills:** Problem Solving, Critical Thinking, Communication, Collaboration, Time Management, Adaptability

**Professional Experience**

**Junior Research Analyst | Valasys Media, Pune**

**April 2024 – July 2024**

* Analyzed and interpreted large datasets to inform strategic planning and improve operational efficiency.
* Created interactive Power BI dashboards to visualize key insights, improving data-driven decision-making by 20%.
* Conducted market research to support business development initiatives, leading to enhanced client targeting strategies.
* **Tools:** Power BI, G Excel

**Data Analyst Trainee | MedTourEasy**

**December 2023 – December 2023**

* Conducted a detailed analysis of the age difference between right-handed and left-handed individuals using Python and R.
* Built regression models to uncover significant factors, leading to actionable insights.
* Utilized Tableau and Power BI to create data visualizations, enhancing communication of findings to stakeholders.
* **Tools:** Python, R, SQL, Power BI, Tableau

**Subject Matter Expert – Statistics | Chegg (Freelance)**

**February 2022 – March 2024**

* Provided accurate solutions to over 1,000 statistical queries, with a 95% user approval rating.
* Applied statistical techniques, including hypothesis testing and regression analysis, to solve complex problems.
* Improved query response time by 20% through process optimization and effective use of statistical tools.
* **Tools:** Python, NumPy, pandas, matplotlib, seaborn, SQL

**Projects**

**1. Customer Churn Prediction Using Machine Learning**

* Developed a machine learning model with Scikit-learn and XGBoost to predict customer churn.
* Achieved an 85% accuracy rate through feature engineering, model tuning, and evaluation.
* Visualized results in Power BI to support targeted marketing strategies.

**2. Movie Recommendation System**

* Built a collaborative filtering recommendation system using Python and Pandas.
* Improved user engagement by delivering personalized movie recommendations.

**3. Sentiment Analysis on Amazon Reviews**

* Performed sentiment analysis on Amazon reviews using Natural Language Processing (NLP) techniques.
* Achieved an 80% accuracy rate, with visualizations created using Matplotlib and Seaborn.

**4. Sales Forecasting Model**

* Developed a time series forecasting model using ARIMA to predict monthly sales.
* Improved forecasting accuracy by 10%, enhancing inventory management.

**Education**

**B.Sc. in Statistics | Shivaji University, Kolhapur**

* **Marks:** 77.44%
* **Relevant Coursework:** Probability Theory, Statistical Inference, Regression Analysis, Time Series Analysis, Data Mining

**Certifications**

* **Google Data Analytics Professional Certificate | Coursera** | Jan 2024
* **Data Science with Python | Skill UP- Simplilearn** | Nov 2023
* **Python for Data Science | Coursera** | Dec 2023
* **Introduction to SQL | Skill UP- Simplilearn** | Dec 2023
* **R Programming | Shivaji University, Kolhapur**
* **MS-Excel | Shivaji University, Kolhapur**

**Additional Information**

* **Languages:** English, Hindi, Marathi
* **Availability:** Immediate
* **LinkedIn:** [www.linkedin.com/in/swapnali-kadam-38005a286](http://www.linkedin.com/in/swapnali-kadam-38005a286)
* **Github:** <https://github.com/swapnali3112>