

Sandhyarani Raut

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Professional Summary

Driven Data Analyst with expertise in Python-based analytics, specializing in transforming complex datasets into actionable insights. Proven track record of developing automated solutions that enhance operational efficiency, reduce processing time by 90%, and deliver 95% accurate data-driven recommendations.

Technical Skills

- **Programming:** Python, SQL
- **Data Analysis:** Advanced Excel, Statistical Analysis,
- **Data Visualization:** Tableau, Power BI, Matplotlib, Seaborn
- **Databases:** PostgreSQL, MySQL
- **Tools:** Jupyter Notebook, Google Colab, GitHub
- **AI & Analytics:** Advanced Excel, Statistical Modelling, Predictive Analytics

Professional Projects

Sales Performance Analytics Dashboard | Excel & Power BI | 01/2025

- Developed comprehensive sales visualization dashboard for retail clothing store
- Implemented interactive slicers and dynamic filtering to enable real-time performance tracking
- Utilized advanced Excel functions and Power BI for data transformation and visualization
- Reduced manual reporting time by 65% through automated data processing

E-commerce Customer Segmentation Analysis | Python | 01/2025

- Conducted in-depth customer segmentation using Python (Pandas, NumPy)
- Applied clustering algorithms to identify distinct customer groups
- Created predictive model with 85% accuracy for customer purchasing behavior
- Developed interactive Jupyter Notebook with comprehensive data analysis workflow

Data-Driven Marketing Campaign Optimization | SQL & Tableau | 01/2025

- Analyzed marketing campaign data using advanced SQL queries
- Created interactive Tableau dashboards revealing key performance indicators
- Identified optimization strategies resulting in 25% improved marketing efficiency
- Demonstrated proficiency in data cleaning, transformation, and visualization techniques

Certifications

- *Certified Data Analyst, NareshIT, Hyderabad*
- *Digital Innovation Program, TCS (GOIT)*

Education : Bachelor of Electrical Engineering | 08/2019 - 06/2023 Government College of Engineering, Chandrapur

- Gondwana University | CGPA: 8.36/10.0
- Academic Distinction: Second Highest Scorer in Bachelor's Program

Technical Proficiencies

- Data Preprocessing
- Exploratory Data Analysis
- Statistical Modeling
- Business Intelligence Reporting