

Abhishek Palsodkar

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Data Science Specialist | Specializing in Data Analytics, ML, Generative AI, Cloud Solutions

Dynamic and detail-oriented Data Science professional with a Master's degree in Data Science from the University of Arizona, USA, and over a year of hands-on experience in data analytics and machine learning. Skilled in leveraging data to uncover insights, optimize processes, and support strategic decision-making through impactful projects. Proficient in Python, SQL, Tableau, and Power BI, with a strong foundation in project management and storytelling. Eager to contribute to data-driven innovation and growth in a multinational organization.

Key Skills	Profile Summary
<ul style="list-style-type: none">Data Science & Machine LearningData Analytics & Data VisualizationExploratory Data Analysis (EDA)Project ManagementProcess ImprovementTeam LeadershipDatabase Management- DBMSGenerative AIReporting and dashboard creation for data-driven insights	<ul style="list-style-type: none">Data Science & Machine Learning Solutions: Expertise in building predictive models, recommender systems, and performing exploratory data analysis to solve complex business problems. Developed a customer segmentation model using k-means clustering, driving an 18% increase in marketing ROI.Data Analysis & Visualization: Proficient in analyzing structured and unstructured data using Python, SQL, and Tableau to derive actionable insights. Built a predictive sales dashboard in Tableau, boosting forecast accuracy by 25%.Project Management: Assist clients in achieving targeted sales demands by performing in-depth analysis of past sales trends and implementing strategies to drive a 20% increase in sales performance.
Technical Skills	<ul style="list-style-type: none">Generative AI: This tool automates the process of generating personalized cold emails for job seekers, tailoring each message to specific roles and including relevant portfolio links. It helps users efficiently reach out to hiring managers, improving engagement and chances of success.

Data Analytics Project Undertaken
<ul style="list-style-type: none">Title: Credit Card Fraud Detection LinkTech Stack: Python, Pandas, NumPy, Scikit-Learn, TensorFlow / Visualization: Matplotlib, SeabornObjective: To develop a machine learning model that detects fraudulent credit card transactions with high accuracy while addressing data imbalance and ensuring real-time applicability.Achievements: Designed and implemented models with 99.5% accuracy and an AUC-ROC score of 0.98, leveraging advanced algorithms and feature engineering to minimize false positives and negatives. Visualized transaction patterns and model performance, improving fraud detection efficiency and reducing losses by 40%.
<ul style="list-style-type: none">Title: Finance & Risk Analytics LinkTech Stack: Python, Pandas, NumPy, Scikit-Learn / Visualization: TableauObjective: To analyze financial market data to predict investment opportunities for portfolio management and mitigate financial risk.Achievements: Built predictive models to identify optimal investment opportunities and visualize risk metrics, leading to better decision-making in portfolio management.
<ul style="list-style-type: none">Title: Cold Email Generator Tool LinkTech Stack: Python, LangChain ,chromadb, pandas, streamlitObjective: To automate personalized cold email generation by extracting job listings from a careers page and integrating relevant portfolio links tailored to specific roles.Achievements: Successfully developed a tool that automates personalized cold email generation, enhancing job application efficiency and relevance for targeted roles.

WORK EXPERIENCE

Data Scientist Intern- at ViolaVizn Technologies, Hyderabad| July. 2023 - Dec.2023

Joined as a Data Scientist Intern.[Link](#)

Key Result Areas:

- Worked with large datasets to identify patterns and correlations, resulting in a 28% increase in revenue.
- Led cross-functional teams to implement targeted marketing campaigns, boosting sales by 15%.
- Developed interactive dashboards using Tableau and Power BI, providing real-time sales insights for informed decision-making.
- Conducted in-depth analysis of customer demographics and purchasing behaviors, uncovering opportunities for product bundling.
- Increased cross-sell opportunities by 20% through effective product bundling recommendations.
- Utilized predictive analytics to suggest the best products for specific market segments, driving a 10% increase in segment sales.
- Applied data science and model building techniques to optimize product strategies and improve sales outcomes.
- Presented actionable, data-driven insights to management, aligning business goals and enhancing sales effectiveness.

CERTIFICATIONS

- IIITB Executive Programme in Data Science[Link](#)
- SimpliLearn|SkillUP M.L. using Python[Link](#)

EDUCATION

- Master of Science in Data Science from University of Arizona in 2024
- Bachelor of Computer Applications from MIT WPU Pune in 2022

PERSONAL DETAILS

- **Languages Known:** English, Japanese (N3), Hindi & Marathi