DIPAK PAKHALE

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**CARRER OBJECTIVE**

* Aspiring Data Analyst with a keen interest in gathering, analyzing, and structuring data from diverse

sources. Seeking a Data Analyst Trainee position to leverage excellent analytical and communication skills,

contribute to technical documentation, and apply academic knowledge to enhance data quality and

usability in a dynamic work environment.

# PROFILE SUMMARY

● Proficient in **statistical analysis,** including expertise in **Normal Distribution** and **Hypothesis Testing,**

**Z-test** and **T-test** etc. demonstrating a solid foundation in statistical concepts essential for data analysis.

● Skilled in **Python data preprocessing (Scikit-Learn, Pandas, NumPy)** with expertise in **data**

**cleaning, correlation analysis, imputation, visualization, feature scaling,** and **dimensionality**

**reduction techniques**, possessing a strong foundation for efficient manipulation and analysis of diverse

datasets.

● Familiar with **SQL** for **data querying**, demonstrating competence in **extracting and manipulating** data

from relational databases, a crucial skill in conducting comprehensive data analysis.

● Competent in presenting information through **data visualization** using **Power BI Desktop , Tableau**

and **Excel** highlighting the ability to translate complex **data findings** into visually compelling and

informative reports

# ACADEMIC PROFILE

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* Masters of Computer Science from Vivekanand College of Institute Management Studies & IT- 2023. – 7.69 CGPA
* Bachelors of Computer Science from Late Pandharinath Patil of Institute Management Studies & IT - 2021 –

75.77%

* XII: Kai. Radhabai Wankhede College, Aurangabad. – 2018 - 60.15%
* X: Godavari Public School, Aurangabad - 2016 - 65.20%

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**Travel Package Purchase Prediction**

# Description

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● **Objective:** Develop predictive model for global tourism package purchases.

● **Approach:** Implement classical **Machine learning tasks: data exploration, cleaning, feature**

**engineering,** and **model building.**

● **Impact:** Address tourism demand fluctuations, offer **accurate predictions,** aid Policy Maker and

**Marketing Team decisions.**

● **Outcome:** Build model identifying potential customers for new travel package.

● **Skills:** Apply **data analysis, preprocessing, feature engineering, Machine Learning model**

development and **Deployment** for operational efficiency in tourism planning.

**Blind Corner Collision Prevention**

**Description**

● **Objective:** Develop a **CNN**-based system to enhance safety on hilly roads with blind corners.

● **Approach:** Utilize **deep learning techniques**, specifically **CNN**, for vehicle detection on curvy terrains.

● **Impact:** Mitigate accident risks by providing real-time alerts to drivers, addressing safety challenges in

areas with limited visibility.

● **Outcome:** Implemented a safety-focused solution, reducing the chance of collisions and enhancing road

safety.

● **Skills:** Applied expertise in **deep learning**, **CNN**, and creative problem-solving to address safety

challenges in challenging terrains.

**CERTIFICATIONS & ACADEMIC ENDEAVOURS**

# Imarticus Learning [2023]

● Post-Graduation in Data Analytics

● Statistics Fundamentals

● Data Science with Python

● SQL Programming

● Data Visualization with Tableau and Power-BI

# Technical Skills

● **Statistical Methods** (Predictive Analysis, Hypothesis testing, PCA, Text Analytics, Unvariate and Bi-variate analysis)

**● Machine Learning** (Classification, Regression, Clustering techniques, Decision trees.)

**● Natural Language Processing Text Analytics** (TF-IDF, Count-Vector, TDM & DTM, Vectorization, NLTK)

● **Programming Languages** (MySQL, SQL, Python)

**● Feature engineering, Feature Selection** & **extraction**

**● Data Reporting tool** and **Data Visualization tool** (Matplotlib, Seaborn, Tableau, Power BI)

● **Microsoft** (General Office and Presentation, with MS-Excel)

# PERSONAL INFORMATION

Date of birth: : 09/11/2000

Languages known : English (R/W/S), Marathi (R/W/S), Hindi (R/W/S) Hobbies : Playing Cricket, Reading Book, Solve Problem.