Nagraj Desai
Data Science

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SUMMARY

A B.Tech graduate currently working as a Data Science intern. Skilled in data manupulation, data analysis, deriving insights, and working with Machine Learning algorithms. Possesses strong problem-solving and communication skills. Currently seeking opportunities in the Data Science field.

INTERNSHIP

Data Science Intern   Jul '24 – Present

Taabi Mobility Ltd. (CEAT Tyres)   Mumbai

- Conduct **daily data analysis** of vehicle performance, verifying data accuracy & integrity.
- Conduct exploratory data analysis (EDA) to uncover insightful patterns that drive enhanced model performance.
- Streamlined data extraction workflow, **reduced time by 77%**, from 3 hours to 40 minutes.

KEY SKILLS

- **Technical skills:** Python, SQL, Machine Learning, Deep Learning, Statistics, MySQL, MS Excel, Git & Github
- **Data Analysis skills:** Data Manipulation, EDA, Data visualization, Hypothesis testing, Predictive analytics
- **Python Frameworks/Modules:** Pandas, Numpy, Sklearn, Matplotlib & Seaborn, Tensorflow, Keras
- **Soft skills:** Problem-solving, Communication

KEY DATA SCIENCE PROJECTS

- **Hand Gesture Recognition using Deep Learning**
  - **Objective**: Develop a system to recognize 5 distinct hand gestures.
  - **Solution**: Created a custom data generator function for batch processing. Experimented with 10 different models.
  - **Key Achievement**: Achived **93% accuracy** on the validation set.

- **Enhancing Sales Efficiency with ML-driven Lead-Scoring**
  - **Objective**: Find the most promising leads that are likely to convert into paying customers and target the conversion rate to be around 80%.
  - **Solution**: Developed an ML model that assigns a score ranging from 0 to 100 and selected the customers with high conversion rate.
  - **Key Achievemen**t: The lead conversion rate **increased from 38% to 85%** after finding the most promising leads.

- **Predictive Analysis for Telecom Churn**
  - **Objective**: Identify patterns and key features indicating customer churn.
  - **Solution**: Employed Data cleaning, Feature engineering, EDA, Class imbalance and dimensionality reduction (PCA) in data preprocessing. Developed ML models, and did model tuning and validation.
  - **Key Achievement**: Created a XGBoost model with an **Recall of 95%**.

EDUCATION

Post Graduation Diploma in Data Science   Sep '23 – Sep '24

IIIT Bangalore & upGrad   Bengaluru, IN

B. Tech.   Jun '19 – Jul '23

Shivaji University (Secured 8.94 CGPA)   Kolhapur, IN

CERTIFICATIONS

- **Machine Learning** — Stanford Online | Coursera
- **Deep Learning** — DeepLearning.AI | Coursera
- **Data Science** — Upgrad

ADDITIONAL ACHIEVEMENTS

- Secured **1st rank** in Navapravartya a National level project competition 2023.
- Attained the **6th** position in University ranking in B.Tech 2023.