Amol Jayebhaye

Data Science Intern

Aspiring data science professional with a strong background in computer science, passionate about solving complex problems and driving data-driven insights. Experienced in developing computer vision systems, implementing machine learning algorithms, and conducting predictive analysis. Proficient in Python, R, SQL, and Java.

✉ amolk5482@gmail.com

📍 Surat, India

github.com/amol-jaybhaye

📱 7486897030

in linkedin.com/in/amol-jayebhaye

EDUCATION

BSc Computer Science
Veer Narmad South Gujarat University
2019 - 2022

MSc Big Data Analytics
St. Xavier's College, Ahmedabad
2022 - 2024

PERSONAL PROJECTS

Computer Vision-Based Grocery Product Information System
- Developed a computer vision system to recognize grocery products, enabling consumers to access nutritional information and health advisories through images.
- Implemented CNN, MobileNet, and VGG models for image classification, employing data augmentation and normalization techniques during data preprocessing.
- Achieved CNN model performance with training accuracy of 0.4933, testing accuracy of 0.6387, and corresponding losses of 5.2563 and 1.0032.
- Demonstrated VGG model variations (16 and 19) with notable performance, showcasing accuracy ranging from 0.584 to 0.831 and corresponding losses between 0.429 and 1.415.

Bank Marketing Campaign Analysis
- Identified optimal campaign months (March, September, October) and seasonal trends (fall and winter), resulting in a 84% accuracy rate with a gradient boosting classifier.
- Recommended focusing on clients aged 20 or younger and those in their 60s or older, with priority on students and retirees, leveraging their higher likelihood (78%) of subscribing to term deposits.
- Proposed limiting calls to a maximum of 3, using engaging questionnaires, as call duration positively correlates with a 78% likelihood of opening a term deposit account.

Predictive Analysis for On-Time Deliveries in Supply Chain
- Achieved a 72.24% accuracy in logistic regression predictive modeling for late deliveries, contributing to proactive measures in minimizing supply chain disruptions and enhancing operational efficiency at DataCo Global
- Led comprehensive analyses on delivery status, customer segments, market trends, and product performance, providing actionable insights for strategic decision-making and resource optimization.

SKILLS

Python — Natural Language Processing (NLP)

Machine Learning — SQL — R — TensorFlow

Django — Flask — Data Analysis — Tableau

OpenCV — MySQL — GitHub — Excel — Java

CERTIFICATES

Pre-MBA Statistics From IIM AHMEDABAD (09/2023)

SQL BASIC FROM HACKERRANK (05/2023)

LANGUAGES

English
Professional Working Proficiency

Hindi
Full Professional Proficiency

Marathi
Native or Bilingual Proficiency

Gujarati
Native or Bilingual Proficiency

INTERESTS

Short Story Writing — Cricket — Googling

Stand Up