Kartikesh Jadhao

Data Scientist

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"I am a data science professional with expertise in data analysis, machine learning, and predictive modeling. Passionate about leveraging data-driven insights to drive business decisions, I specialize in building scalable and impactful solutions. With a strong foundation in analytics and AI, I am committed to helping organizations optimize operations, improve decision-making, and achieve their strategic goals."

Current Organization

MINDAGE Solutions PVT. LTD., Pune

Experience

2021- present

Education

Bachelor of Engineering *2018*
University: SGBAUniversity, Amravati

Core Competencies

- Proficient in **Python** for scripting, automation, and **data processing**
- **Web Scraping:** Expertise in BeautifulSoup, Requests, Urllib for extracting data from websites
- Optical Character Recognition (OCR) for document processing
- Strong proficiency in **Pandas** and **NumPy** for data manipulation and analysis
- Expertise in **data wrangling**, transforming raw data into structured, usable formats
- Proficient in Tableau for interactive **data visualization** and reporting
- **SQL**: CRUD Operations, Subqueries, Window Functions, Joins
- **Experience with AWS, GCP & Azure, Kubernetes, Docker.**
- Version Control: **Git & GitHub, DVC, MLFlow.**
- Model Testing & **API** Development: Experience with Postman
- Agile Frameworks for project management and development
- Continuously upgrading skills in **MLOps**, focusing on automation and **deployment** efficiency
- Developed **AML models** and **credit risk models** to assess borrower credit worthiness while monitoring suspicious financial behaviors for regulatory compliance.
- Developed **credit risk models** to predict loan defaults using statistical and machine learning techniques.

Skills

Machine Learning:
Linear Regression, Ridge & Lasso, Logistic Regression, Naïve Bayes Classifier, KNN, SVM, Decision Tree, Random Forest, AdaBoos, XGBoost, K-means Clustering, PCA

Deep Learning:
Neural Networks (ANN, CNN)
TensorFlow, Keras

NLP Libraries & Techniques:
nltk, spaCy, langdetect, googletrans
Techniques: TF-IDF, Word2Vec.

Mathematics & Statistics:
Linear Algebra, Probability, Statistics
Gradient Descent, Hypothesis Testing
Feature Selection Methods:
Filter, Wrapper, Embedded Methods

Cloud Platforms & Services:
AWS (S3, EC2, RDS, ECS, EKS, SageMaker)
GCP, Azure

Big Data Tool:
Apache Spark

Project 1

Project: Ecommerce Customer Retention Prediction Model

Domain: Ecommerce

Description:

The Ecommerce Customer Retention Prediction Model is a data-driven solution designed to forecast the likelihood of customer churn. By leveraging advanced analytics and machine learning techniques, the model analyzes historical customer data, behavioral patterns, and key indicators to generate accurate retention predictions. This enables businesses to implement targeted strategies to improve customer engagement and reduce attrition.

Role and Responsibilities:

- Develop, debug, and maintain machine learning models and software applications in Python.
- Perform numerical analysis on input and output data to understand behavioral patterns.
- Investigate and optimize model performance to enhance accuracy and efficiency.

Project 2

Project: Production Packaging Bottle Defect Detection System

Domain: Manufacturing & Quality Control

Description:

The Packaging Bottle Defect Detection System is an automated solution designed to identify and inspect defects in bottles during the packing process. By leveraging advanced technologies and machine learning algorithms, the system ensures that only high-quality, defect-free bottles are packaged. This helps reduce customer dissatisfaction, minimize waste, and enhance overall product quality.

Role and Responsibilities:

- Design and implement machine learning and deep learning models for defect detection.
- Contribute to various stages of the data science lifecycle, including:
  Exploration & Conceptualization – Understanding the problem and defining objectives.
- Proof of Concept (POC) – Developing initial models and validating feasibility.
- Data Preparation – Cleaning, preprocessing, and feature engineering.
- Model Development & Testing – Training, evaluating, and optimizing models for deployment.

Project 3

Project: Document Management System

Domain: Document Classification

Description: Document classification is the act of labeling – or tagging – documents using categories, depending on their contents.

Role and Responsibilities:

- Work on all stages of a data science / ML project exploration and conceptualization, data preparation, model development and testing, deployment.