Aaditya Pandagle

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DATA SCIENCE | MLOPS | GENERATIVE-AI

Motivated and results-driven Data Scientist specializing in MLOps and Generative AI, seeking a position in a dynamic organization. The portfolio, available on **GitHub**, showcases a range of successful projects, highlighting my ability to analyze data, develop predictive models, and collaborate effectively within cross-functional teams.

KEY COMPETENCIES

Machine Learning & Deep Learning:
- **Supervised Learning**: (Linear & Logistics Regression, SVM, Decision-Tree and Ensembles) **Unsupervised Learning** (K-Means, Hierarchical Clustering, and Dimensionality Reduction-PCA)
- Neural Networks (ANN, CNN and RNN), NLP, and DL Frameworks (TensorFlow and Keras)

Data Science:
- Data Analysis & Visualization, Statistical Analysis & Modeling, Feature Engineering & Optimization Techniques.

Web Development, Machine Learning Operations (MLOps) and Programming Language:
- MLflow, Packaging, Version Control (Git), Docker, AWS, Jenkins, Prometheus and CI/CD Pipeline.
- Flask, FastAPI, Django, Data Structures & Algorithms (DSA), Python and MySQL

Auxillary Skills:
- Cloud (AWS), Deep Learning (Fundamentals), Packaging and Containerization, Version Control (git), CI/CD (basics)
- Large Language Model integration (Gemini and LLama), Collaboration and Adaptability, Problem-solving and Inquisitive

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WORK AND PROJECTS

Machine Learning and Deep Learning:
- **Fraud Detection**: Identify fraudulent activities within financial transactions using ML algorithms on authentic datasets.
- **Credit Risk Assessment**: Assessing credit risk for loan applicants using predictive modelling.
- **House Rent Prediction**: Using machine learning algorithms to predict house rent prices in India.
- **Customer Discount Offering**: Predict which customers will likely receive discounts for targeted marketing.
- **American Sign Language Detection**: Developed a model to recognize and interpret American Sign Language gestures for communication accessibility.

Generative-AI:
- **OCR-Gemini**: Leveraged Tesseract for invoice text extraction and Gemini for data structuring the extracted data into JSON format.
- **Resume-JD Analyzer**: Implementing data extraction methods to input data into LLama3, facilitating analysis of both job descriptions (JD) and resumes.
- **Query-Builder**: Utilizing PostgreSQL as the database backend, extracting key content, and seamlessly integrating it into LLama3 for query generation and execution.

Others:
- **MLOps Sandbox**: MLOps Integration Testing (Docker, Jenkins, CI/CD)
- **Django**: Utilized Django to create a web-based diabetes prediction model.

EDUCATION

- **Post-Graduation Program in Data Science and Analytics -** Imarticus Learning (Pune) (2023 - 2024) (**TBD**)
- **Bachelor's in Business Administration (Computer Application)** Modern College of Commerce & Computer Studies; Savitribai Phule Pune University Affiliated. (2020 - 2023) CGPA - **8.61**
- **Senior Secondary School** - PDEA's Shri Mhalsakant Vidyalaya & Jr. College. (2018 - 2020) - **55.69%**
- **High School** - S.P.M English Medium School, Nigdi-Pune. (2007 - 2018) - **69.00%**

CERTIFICATIONS AND ACHIEVEMNETS

- **Udemy**: Python for Data Science and Machine Learning Bootcamp
- **Kaggle** - **Beginner** and **Intermediate** Machine Learning
- **HackerRank** - SQL **Basic** and **Intermediate**
- **Udemy**: Python Data Structures and Algorithm
- **Udemy**: Amazon Web Services - Solution Architect.
- Ranked 1st in chess competitions during both the 2nd and 3rd years of my academic journey.

LANGUAGES

- English, Hindi and Marathi (Native), German and Japanese (Novice)