Aaditya Pandagle

Data Science | AI & Machine Learning | MLOps | Generative-AI

Contact:

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- LinkedIn and GitHub link

Education:

Post Graduation Program in Data Science and Analytics - Imarticus Learning (Pune)
(2023 - 2024)

Bachelors' 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%**

Auxilary Skills:

- DSA (Basics)
- Cloud (AWS)
- Deep Learning (Fundamentals)
- Packaging & Containerization
- Version Control & CI/CD (Basics)
- LLMs (Gemini and LLama)
- Collaborative and Adaptability
- Problem-solving and Inquisitive

Languages:

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

Work and Projects

You can explore my GitHub profile where I've performed statistical analysis and created predictive models. The portfolio spans various topics such as:

Machine 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 Prediction:** Predict which customers will likely receive discounts for targeted marketing.

Deep Learning:

- **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:

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

Skills & Hobbies

- **Machine Learning and Deep Learning:**
  - **Supervised Learning**: (Linear & Logistics Regression, SVM, Decision-Tree and Ensembles) **Unsupervised Learning** (K-Means, Hierarchical Clustering, and Dimensionality Reduction-Principal Component Analysis)
  - 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.
- **MLOps:**
  - MLflow, Packaging, Version Control (Git), Docker, Jenkins, Prometheus and CI/CD Pipeline.
- **Web Development, Programming Languages & Databases:**
  - Flask, FastAPI, Django, Data Structures & Algorithms (DSA), Python and MySQL
- **Cloud**: Amazon Web Services (EC2, S3, SageMaker, and others)
- **Hobbies**
  - Avid Reader, Artist (sketching figures and objects)
  - Strategic Chess Player, Video/Board Games, Coding.
  - Listening and Creating Lo-fi tracks for fun on YouTube

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.