Pratiksha Garkar
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EDUCATION

Marathwada Mitra Mandal's Institute of Technology, Pune
May 2020
Graduated with a Bachelor of Engineering in Computer Engineering.

Shree Samarth Poly, Ahmednagar
May 2017
Diploma in Computer Engineering.

New English School, Ahmednagar
May 2014
Secondary School Certificate examination(SSC).

PROFESSIONAL EXPERIENCE

Aress Software, India, Pune, 411028
March 2021-Present

Data Analyst (Data Science)
Expertise in data manipulation, statistical analysis, and predictive modelling. Proficient at leveraging Python, SQL, and Excel tools to extract actionable insights from complex datasets. Demonstrated ability to design and implement data-driven solutions and develop and maintain dashboards. Strong problem-solving skills with a focus on improving business processes and driving strategic decision-making.

Automated Email Data Extraction and Integration with Salesforce

- Completed the full-cycle implementation of an automated workflow for extracting email data using IMAP, BeautifulSoup (bs4), and regular expressions (regex). In order to map and integrate the extracted data into Salesforce, the system continuously interacts with Salesforce APIs.

Automated Automobile Website Data Scraping and Data Management System

- A comprehensive web application for automobile data retrieval and price estimation. Users can input vehicle specifications using a user-friendly UI. The application searches a PostgreSQL database for matching vehicle details. If a vehicle is found, its complete details, including price calculations based on its condition, are displayed on the web interface. In cases where the vehicle is not present in the database, the system triggers an ETL process. Implemented comprehensive testing using Pytest to ensure the reliability and accuracy of the application.

Data Extraction and Enhancement from PDFs

- Developed a comprehensive solution to extract, clean, and enhance data from PDF. The integration of NLP and GenAI technologies provided valuable insights and enriched the data, making it more useful for subsequent analysis and decision-making processes.

End-to-End Sports Predictive Analysis Pipeline

- Built an end-to-end data pipeline for predictive analysis in sports. The pipeline includes extracting, transforming, and loading (ETL) data into an Amazon S3 bucket, followed by performing predictive analysis to determine game winners and calculate profit and loss (PnL). User input is collected through a web interface rendered with Flask.

Developed Interactive Dashboard for Mutual Fund Investment Analysis

- Implemented an interactive dashboard using Plotly to analyse and present insights from mutual fund investment data. Users can explore financial data in depth by visualizing key performance metrics, trends, and comparative analyses.

Data Extraction from Invoice Images

- Focused on automating the extraction of data from invoice images. To enhance image quality and facilitate accurate text recognition, OpenCV was used for image preprocessing. Implemented Optical Character Recognition (OCR) to extract text data from processed images. Applied regular expressions (Regex) for data cleaning and modification, ensuring the accuracy and consistency of the extracted information.

ACADEMIC PROJECTS AND PAPERS

Prediction of Car Selling price Using Machine Learning Algorithms.

- The Car Selling Price Predictor is a machine learning model designed to estimate the selling price of used cars based on various features such as make, model, year, mileage, and other relevant attributes. Project demonstrates a practical application of data science and machine learning techniques to solve a real-world problem.
- Technologies used: Python, Machine Learning.

Job Automation.

- Built a python script to automate the process job searching from various sites based on user-provided criteria and emailing scraped data to the user.
- Technologies used: Python, E-mail automation, Web scraping and Flask.

TECHNICAL SKILLS

- Programming Languages: Python
- Frameworks: Flask, Django
- Databases: MySQL, PostgreSQL
- Visualization: Plotly, Matplotlib
- IDE: Spyder, Jupyter Notebook, Visual Studio
- Repository: GitHub, Tortoise SVN
- Web Technologies: HTML 5, REST Web Services
- ML and AI: Scikit-learn, Regression Analysis, Classification, Ensemble methods, , NLP(Spacy, NLTK), GenAI
- Cloud Services: BigQuery (Google Cloud), AWS(EC2, AWS lambda, Boto3)
- Others: Postman, OOPS concepts, Data structures.
- Tools: Docker

ACHIEVEMENTS AND CERTIFICATIONS

- PCEP Certified Python Programmer(opww.8xQq.hpqg)
- Received Employee of the Month Award and client appreciation for deploying the project successfully
- Awarded first place in a hackathon organized at the company level.

PROFILES

- GitHub
- Kaggle
- Medium