ABHIJEET SINGH YADAV

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SUMMARY

Driven data engineer with 2+ years of experience in wrangling big datasets. Adept in working quickly and efficiently in close collaboration with analytics, engineering, and other stakeholders. Writing efficient, reusable, testable, and scalable code, Understanding, analyzing, and implementing – Business needs, feature modification requests, and conversion into software components.

EXPERIENCE

Data Engineer

DaveAI   November 2021 - February 2024，Bangalore, IN

- **Developed automation scripts** and resourceful solutions in Python to automate system processes and expedite workflows, resulting in **70% faster time-to-market**.
- **Constructed robust APIs** and object-oriented programming (OOP) logic to facilitate robust application development, resulting in fewer bugs and improved system reliability.
- Debugged existing codebase, identifying and resolving critical issues, resulting in a **30% improvement in system performance and stability**.
- Implemented automated code testing procedures in alignment with industry standards, resulting in a **40% reduction in debugging time and a 25% increase in overall code accuracy**.
- Refined and maintained existing codebase, resulting in **40% reduction in development time**, allowing for faster feature implementation and improved customer satisfaction.
- **Automated maintenance tasks**, such as monitoring of database performance, backups, and system patching to provide a stable customer experience.
- **Collaborated with cross-functional teams** to gather data requirements and transform business needs into technical specifications, leading to a **20% reduction in data integration cycle time** and improved alignment with business objectives.
- Implemented enhancements and feature modifications based on stakeholder feedback, resulting in a **25% increase in user satisfaction and improved user engagement**.
- Utilized Python development skills to optimize and refactor the codebase, resulting in a **50% improvement in code efficiency and scalability**.

PROJECTS

Cookie Clicker Automation

https://github.com/Abhijeet3127/cookie-clicker-automation

- This project aims to automate the process of collecting cookies on various Cookie Clicker websites using Python and Selenium.
- Utilizes Selenium WebDriver for browser automation, allowing seamless interaction with web elements.
- Implements Python scripts to simulate user actions such as clicking, upgrading, and collecting cookies automatically.

Newspaper Article Web Scraping

https://github.com/Abhijeet3127/web_scraper

- This project scrapes newspaper articles from various websites using BeautifulSoup, providing a convenient way to extract content for analysis or archival purposes.
- Extraction of article text, metadata, and other relevant information.

Flask Microservices

https://github.com/Abhijeet3127/flask-microservices

- This is a microservices-based system built with Flask that manages a simple e-commerce application.
- The system handles user authentication, product management, and order processing.

User Authentication System

https://github.com/Abhijeet3127/user-authentication
- This project implements a user authentication system using Django and Bootstrap, providing secure and user-friendly authentication functionalities for web applications.
- Ensures secure storage and handling of user credentials.
- Customizable templates and styling with Bootstrap for an enhanced user experience.
- Integrates seamlessly with Django's built-in authentication system.

Sales Effectiveness

Datamites • https://github.com/Abhijeet3127/Sales_Effectiveness • February 2021 - May 2021
- Engaged in feature engineering to extract relevant attributes for developing an accurate lead quality pre-categorization model.
- Demonstrated proficiency in ETL (Extract, Transform, Load) processes to transform raw data into a structured format suitable for analysis.
- Implemented Machine Learning algorithms to automate lead quality assessment, aiding in the prioritization of potential customers.

Flight Price Prediction

Datamites • https://github.com/Abhijeet3127/Flight-Price-Prediction • February 2021 - May 2021
- Employed Python and SQL to clean, preprocess, and transform raw flight data from various sources into a structured format.
- Demonstrated proficiency in data normalization, handling missing values, and outlier detection to ensure data quality.
- Developed machine learning pipelines to train predictive models using algorithms such as Random Forest and Gradient Boosting.

SKILLS

Technical Skills: Language- Python | Frameworks- Flask, Django, FastAPI | Database- SQLAlchemy, SQLite, PostgreSQL, MongoDB | Data Visualization- Matplotlib, Seaborn | Data Analysis- Pandas, NumPy | Web Scraping- Selenium, BeautifulSoup, Scrapy | Version Control- Git | Cloud Platforms- AWS | Operating System- Linux, Windows | Other- JSON, RESTful APIs, Postman

Personal Skills: Communication, Collaboration, Creative Thinking, Critical Thinking, Active Learning, Problem Solving.

EDUCATION

B.Tech Computer Science Engineering

CT University • Ludhiana, Pb • 2021

CERTIFICATIONS

Data Science Foundation(IABAC)

IABAC • 2021
- The "Data Science Foundation By IABAC" certificate signifies a solid grasp of essential data science concepts. It showcases proficiency in data handling, including collection and cleaning, along with statistical analysis skills. This certification also reflects familiarity with basic machine learning techniques for predictive modeling, highlighting the ability to solve practical problems using data-driven approaches.

Python

SoloLearner • 2021
- The "Python" certificate validates a strong proficiency in the Python programming language. This certification demonstrates expertise in coding, scripting, and developing applications using Python. It showcases the ability to create efficient and effective solutions for a wide range of programming tasks and projects.