

YASH VARDHAN YADAV

SOFTWARE ENGINEER

+917565888485 |

[MAILTO:YASHZOB@GMAIL.COM](mailto:YASHZOB@GMAIL.COM) |

[GITHUB](#) |

[LINKEDIN](#)

PROFESSIONAL SUMMARY

Experienced Python Developer specializing in Django, Django REST Framework (DRF), and PySpark, with a strong background in AI-driven applications and e-commerce solutions. Proven expertise in enhancing system performance, developing scalable REST APIs, and implementing big data processing pipelines. Passionate about data-driven decision-making and automation.

EXPERIENCE

CONSISTENT INFOSYSTEMS - DELHI (APRIL 2024 – PRESENT)

SOFTWARE ENGINEER:

- **Resolved race condition in stock management by implementing RabbitMQ, Optimistic Locking, and database triggers.** Handling concurrency issues in the stock management system and improving system stability using Django.
- Improved system efficiency and concurrency handling, preventing incorrect stock values and enhancing overall e-commerce operations.
- **Developed and deployed AI-powered chat sales bot and customer service bot on WhatsApp using Django and DRF**
- **Automated Google Sheets updates with QCluster and Google Sheets API.** Automating updates to Google Sheets via Django backend using QCluster for task management and Google Sheets API to interested sheet for tele caller automatically .
- **Built a one-click report generation tool using Python Notebooks and Google Sheets API,** report generation tool and integrating it with Django for seamless operation and output.
- **Designed and deployed a Google Maps lead scraper**
- **Designed an Entity-Relationship (ER) Diagram and Process Flow Diagram for CRM**

DATA SCIENCE:

- **AI-powered Chat Sales Bot & Customer Service Bot (WhatsApp).** Implementing AI models for chatbots (though Django handles deployment and framework).
- **Improved system efficiency and concurrency handling in stock management**
- **Implemented PySpark-based data pipelines for processing and analyzing sales data**
- **Analyzed 5 years of sales data using KMeans clustering and t-SNE.** Applying machine learning techniques like KMeans clustering and t-SNE to analyze sales data, identify lost clients, and find segmentation opportunities.
- **Developed a forecasting model (ARIMA, Prophet, LSTM).** Implementing forecasting models (ARIMA, Prophet, LSTM) for sales prediction and resource planning.
- **Designed and deployed a Google Maps lead scraper identifying new business opportunities**
- **Automated routine data cleaning and analysis tasks using Python and PySpark**
- **Proficient in SQL and PL/SQL for extracting, cleaning, and analyzing large datasets**

PROJECTS & TECHNICAL WORK

E-commerce Platform - Saree Store

- Developed a Django-based e-commerce website with DRF APIs for order management, authentication, and inventory tracking.
- Implemented Stripe payment integration and WhatsApp OTP verification for seamless transactions.
- Deployed the application using Docker for improved scalability and maintenance.

CLOTHING FIT ANALYSIS & CUSTOMER CLUSTERING

- Analyzed 100,000+ RentTheRunway customer reviews, handling missing data using AdaBoost with 60% accuracy.

- Applied PCA for dimensionality reduction, retaining 95% variance while reducing features from 97 to 3.
- Converted qualitative review emotions into numerical values for improved data analysis.

IPL MATCH PREDICTOR & PLAYER PERFORMANCE ANALYSIS

- Developed a numerical pressure score for batsmen, aiding in identifying top-performing players.
- Built a predictive model for match outcomes, improving strategic decision-making.

SKILLS

- Programming Languages: Python
- Web Frameworks: Django, Django REST Framework (DRF), Flask
- Big Data & Data Processing: PySpark
- Data Analysis & Machine Learning: Pandas, NumPy, Scikit-learn, PCA, Supervised & Unsupervised Learning
- APIs & Tools: Docker, Stripe, WhatsApp API, Google Sheets API, OpenAI

PREVIOUS EXPERIENCE

PYTHON TEACHER & MENTOR

- Sanskaar Int. School (July 2021 – Oct 2023)
- Guided students in data preprocessing techniques, handling missing data, and feature engineering in Python.
- Computer Instructor
- Kendriya Vidyalaya Lakhimpur Kheri (Sep 2019 – March 2020)
- Developed educational programs focused on data analysis and cleaning methodologies.
- Java Trainer
- Net Tech Computer Institute (Jan 2014 – March 2018, Evening)
- Trained students in data structures and preprocessing techniques.
- IT Manager & Data Analyst.