

MANISH KUMAR

Python Developer

MOBILE

+91-8058053142

EMAIL

tanwarmanish97@gmail.com

LINKEDIN

[Manishtanwar](#)

Python Developer with 3.7+ years expertise in advanced scripting, web scraping, and automation, with specialization in data engineering, big data solutions, data science, and AI/ML technologies. Designs scalable data pipelines and intelligent systems that transform complex data into actionable business insights, combining robust programming with data science methodologies to deliver end-to-end solutions with measurable operational impact.

WORK EXPERIENCE

Job Title	Company Name	Location	Duration
Python Developer	AltezzaSys Systems Pvt. Ltd. , ( Client : eClerx Pune )	Noida	April 2024 - Present
Python Developer	Ixeor Global Pvt. Ltd.	New Delhi	Aug 2022 – March 2024
Software Developer	Quy Technology	Gurgaon (Gurugram)	Oct 2021 – Aug 2022

PROJECTS

ColPal\_Promo\_Standardization Project

eClerx ( Client : Colgate China )

Led the standardization of promotional data across multiple countries for Colgate China. Processed .xlsx and .xlsm promo grids, extracted key details ( e.g., PPG , Start Date, End Date, Channel , Category , Sub Category, Brand, Sub Brand, Promotional Price , Promotional and Seasonal Events), and standardized them for reporting and analysis.

- ❖ Automated extraction and standardization of promotional data using Python (Pandas, OpenPyXL ).
- ❖ Utilized fuzzy matching (Levenshtein Distance) to correct spelling errors and resolve country – specific data variations.
- ❖ Managed workflow and ensured traceability with Config.ini and logging mechanism.
- ❖ Delivered consistent, accurate output for enhanced reporting and decision- making.

HPE Internal Project

eClerx ( Client : HPE )

- ❖ Developed an automated solution to extract and categorize SQL database objects (e.g., Stored Procedures, Views, Functions, DDL, DML, Table type, Synonyms, Rollback etc.) from source databases.
- ❖ Built a system to modify SQL files with customizable headers, footers, and pattern based on object types using configuration parameters.
- ❖ Automated Git operations, including feature branch creation, file uploads, and merge to the release branch.
- ❖ Integrated Jenkins validation to ensure files meet coding standards before pushing to the repository.
- ❖ Enabled developer flexibility with customizable repository URLs, release branches, and commit messages.
- ❖ Implemented detailed logging for tracking file processing, changes, and Git operations.

eClerx Pune.

- ❖ Working as a Python Developer for eClerx through AltezzaSys Systems Pvt. Ltd.
- ❖ Optimized and enhanced Python scripts for efficient and accurate data extraction.
- ❖ Integrated MongoDB for seamless data storage, implementing caching and pagination for all category URLs.
- ❖ Leveraged advanced proxy management, multithreading, and multiprocessing to enhance web scraping reliability and scalability, improving processing speed by 30%.
- ❖ Developed and maintained efficient web scraping pipelines using Scrapy, BeautifulSoup, and Requests, ensuring high-quality data extraction and processing across multiple sources.

## Bitcoin Password Recovery Application.

### Ixeor Global Pvt Ltd

- ❖ Developed Bitcoin Password Recovery Application (Deal with Big Data of bitcoin's transaction address).
- ❖ Make a flow and generate BTC Addresses from iancoleman.io (Mnemonic Code Converter) using Python -Selenium
- ❖ Collected, Cleansed, analyzed and interpreted large unstructured Data and saved into MYSQL Database.
- ❖ Implemented data cleansing procedure on large unstructured datasets, contributing to informed decision- making and database management.
- ❖ Applying Multithreading and Multiprocessing with Binary Search Algorithm on the transposed row and columns of a big database for the fast result.

## Video Object Detection And Tracking.

### Ixeor Global Pvt. Ltd.

Build a model for video object detection and tracking.

- ❖ R-CNN architecture for evaluation of sperm head motility in human semen videos.
- ❖ Natural Network performs the segmentation of sperm heads, while the proposed central coordinates tracking algorithm for calculating movement speed and distance.
- ❖ Labeling tools include bounding boxes, polygons, contours.
- ❖ Object in a single video frame, tiny size of the object, artifacts, low contrast, low video resolution and blurry object because of the rapid movement of the sperm.

## Ticket Tire Bot.

### Quy Technology

Involved in the development of the 'Ticket Tire Bot' Project.

- ❖ Developed an automated ticket booking bot using Python and Selenium for booking USA Concert tickets on livenation.me (American entertainment company)
- ❖ Leveraged Selenium and Python to navigate the website, handle CAPTCHA challenges , filling the necessary bank details and successfully purchase tickets.
- ❖ Acquired a deeper understanding of web automation and enhanced programming skills through the project.

## Image Annotation Segmentation and Labeling.

### Quy Technology

- ❖ Involved in building a model for image annotation tasks, including image classification, object detection and recognition and instance segmentation.
- ❖ Labeling tools includes bounding boxes, polygons, contours, key point annotation.
- ❖ Contributed to the development of a comprehensive image annotation system for improved image understanding and analysis.

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## SKILLS

★ Python	★ Web Scraping	★ Django	★ MySQL	★ Machine Learning	★ Big Data
★ Automation	★ Pandas	★ Numpy	★ PySpark	★ Data Visualization	★ Data Analysis
★ Deep Learning	★ Data Modeling	★ Tableau	★ OpenCV	★ Captcha solving	★ Oops
★ Scrapy	★ BeautifulSoup	★ MongoDB	★ Selenium	★ Data Pipelines	★ Proxy rotating
★ OpenPyXL	★ Requests	★ OCR	★ Tesseract	★ Multithreading	★ PyPDF2

## TOOLS & TECH

❖ OS : Windows , Linux	❖ Selenium	❖ BeautifulSoup	❖ Tableau
❖ Cloud: AWS , Azure	❖ PySpark	❖ MS Office	❖ MS Excel

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## EDUCATION

Govt College of Engineering & Technology, Bikaner (Rajasthan)  
B.Tech. Computer Science & Engineering  
2015–2019

Shiv Jyoti Senior Secondary School, Kota (Rajasthan)  
XII - PCM (RBSE)  
2014-2015

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## INTERESTS

- ❖ Data Structure and Algorithm
- ❖ Coding

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## LANGUAGES

- ❖ English
- ❖ Hindi