

# MANISH KUMAR

Python Developer

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## WORK EXPERIENCE

### Python Developer

Ixeor Global Pvt. Ltd. New Delhi  
(Aug 2022 - current)

### Software Developer

Quy Technology Gurugram (Haryana)  
(Oct 2021 - Aug 2022)

## PROJECTS

### 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 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.

## SKILLS

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|-----------------|-----------------|----------|-----------|----------------------|-----------------|
| ★ Python        | ★ Web Scraping  | ★ Django | ★ MySQL   | ★ Machine Learning   | ★ Big Data      |
| ★ Automation    | ★ Pandas        | ★ Numpy  | ★ PySpark | ★ Data Visualization | ★ Data Analysis |
| ★ Deep Learning | ★ Data Modeling | ★ NLP    | ★ OpenCV  | ★ Tableau            | ★ OOps          |

## TOOLS & TECH

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

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## EDUCATION

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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

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- ❖ Data Structure and Algorithm
- ❖ Coding

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## LANGUAGES

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- ❖ English
- ❖ Hindi

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## PERSONAL PROJECTS

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### WEB SCRAPING PROJECTS

- ❖ Scraped the useful data from various Websites including Amazon, Flipkart, Snapdeal, Wikipedia, StackOverflow, JustDial etc. And Fetched data using Python, Selenium and BeautifulSoup saved into Database and also created a proper schema for the same.

### WEATHER WEB - APPLICATION

- ❖ Weather Web Application is to predict the state of the atmosphere for a given location. Here this system will predict weather based on parameters such as temperature, humidity and wind . There is a drop –down where you will get the liberty to choose the month and year to see the weather data.
- ❖ Developed by using Django ORM for front end interactive UI and Scraping by Python ( BeautifulSoup and Selenium).

### LIBRARY MANAGEMENT SYSTEM

- ❖ Library Management System is developed using Python, Django, HTML,CSS and integrated with MYSQL Database.
- ❖ The project contains all the features of a Library Management like Login, Interactive UI, Student panel, Issue books, Add and delete books to the library.