

# POOJA KHUMKAR

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**Email :** [poojakhumkar25@gmail.com](mailto:poojakhumkar25@gmail.com)

**Mobile no:** +91-7722001729

**Correspondence address:** warje malwadi pune,411052

## **Career Summary:**

Dedicated, passionate, and competent 'Python Developer' more interested in Image processing, AI/ML related work, Having 2+ years of experience in designing and developing Python/ other applications. Possess hands-on experience in AI/ML and Image processing . Familiar with SDLC, and capable of thinking out-of-the box to create seamless, exciting products for the target audience. Plan and execute complex and challenging technical projects. Excellent analytical thinking and written/verbal communication skills.

## **Summary of Skills:**

- Possess knowledge of AI and machine learning concepts, and capable of translating the requirements into program using Python
- Maintain state-of-the-art technical expertise in artificial intelligence, machine learning, Image processing and software programming. Generate intellectual property
- In-depth understanding of entire project development life-cycle and capable of coordinating with other software personnel for testing and debugging
- Possess strong mathematical, analytical, logic thinking, and problem-solving skills
- Capable of working in a team and have exceptional organizational as well as communication skills

## **Work Experience:**

Python Programmer

TrendzLink Technology pvt.ltd, Pune

March 2017- Present

## **Project 1:** AI based web engine:

- UI Design and Development, Runtime Queries Solving.
- Developed Non-SQL(MongoDB) Database Architecture and Design
- Developed recommendation engine using ML (Content Based).
- Database Architecture Design and development
- Used python programming language with Django framework
- **Libraries:** Pandas, Sci-py, Numpy, MathPlot lib, AngularJS, etc

## **Project 2:** Live data web scrapping

- Developed API + UI based on NLP which decomposes users query and send it to client server with all data required
- Scrapping Live data of stock market which containing graphs of past 3 months stock data
- Collect the last one year historical data and store it to database. Also update it in every one hour when stock market is open.

- According to tenor of particular product tell user how much profit he may earn if he invested same amount during his particular products tenor previously.
- **Libraries:** Pandas, BeautifulSoup, etc

**Project 3:** Text reorganization through image

- Using Tesseract OCR text recognition through image
- Used Image processing on OCR documentation to filter image
- Automated Data cleaning, noise reduction using Gaussian filter.
- Minimize execution time and improve accuracy.
- **Libraries:** NLP, Image Processing, ML, computer vision
- **Tools & Technology:** Django, Python, HTML, CSS, JavaScript, MongoDB, MySQL

**Project 4:** Machine Vision on Dent Prediction (Working on)

- Developing an algorithm to predict dents/errors using Image processing, Opencv, KNN algorithm in python programming.
- Executing proof of concepts to assess the value of Artificial Intelligence use cases
- Assisting R&D department and rapid prototyping team to write polished, optimized codes for multiple projects to enhance re-usability of common modules
- Reviewing technical designs of peers along with other software engineers and mentoring junior software engineers/interns as needed to increase their abilities and productivity
- Working on research and development of deep learning algorithms sequential data
- **Libraries:** Opencv, Numpy, Scipy, Matplotlib, Pandas, Pillow, scikit-image, TensorFlow.

**Education:**

- Bachelor's Degree in Information Technology 2016 with aggregate of 63.04

**Certification:**

- JAVA Certification course from Institute of Profound Institute,pune

**PERSONAL INFORMATION:**

DATE OF BIRTH :	25-01-1993
LANGUAGE KNOWN:	English,Hindi,Marathi
HOBBIES:	Drawing,Reading books, Travelling
MARITAL STATUS:	Married

**DECLARATION**

I hereby declare that above written particulars are true to best of my knowledge and belief.

Pooja sanjay khumkar  
Signature of candidate

Place : pune  
Date: