

Ashish Kumar

2.8 years Experience
Python-Django-NLP Developer
B.Tech - CSE, UIET Kurukshetra University Campus

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Pypi: <https://pypi.org/user/ashishkumar30>
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EDUCATION

• **Computer Science and Engineering** (2015 -2018)
B. Tech from Government college, University Institute of Engineering and Technology,
Kurukshetra University (main campus) in Computer Science and Engineering.

• **Mechanical Engineering** (2010 – 2013)
Diploma from Government college, Aryabhata Institute of Technology, Delhi in Mechanical
Engineering.

• **Schooling** (2010)
Class 10th from CBSE, Kendriya Vidyalaya sector 8, Rohini Delhi.

EXPERIENCE: 2.8 years

Python Developer

Scoreme Solutions Pvt Ltd. (1/7/2020 - 10/3/2021)

Worked for Scoreme Solutions, a fintech company, and developed various live projects such as Ministry of Corporate Affairs Projects, ITR Projects, and Bank statement Analyzer to make Analysis tools using Flask and Developed API for Backend.

Projects:

- **Bank Statement Analyser** : A tool that can recognize more than 50 banks' statement formats with almost 100% accuracy and integrate easily to existing systems. Through categorisation and statistical analysis on the recognised raw data in bank statements, the product generates valuable financial status information for credit scoring and modelling usage. Also, it performs effective fraud detection by analysis on file modification history and correctness of bank balance.
- **MCA Project** : It extracts data from MCA LLP /CHG / AOC forms and gives output in JSON format according to the client requirements or Banks.

- **KYC Project-Id Document Recognition :** It is a functional product that can recognise various ID documents and receipts by the high accurate Document Identity Verification technology. It can either integrate into an identity verification solution or deploy alone and address challenges of verifying ID documents and automatically extracting information. worked individually on this project and it is used by banks, Developed a flask backend API which can extract data from a various scanned document like Aadhar card, passport, PAN CARD, DL, VOTER CARD, etc.
- **ITR Analyser :** ITR A custom ITR analyzer for banks. ITR Analysis provides you a detailed analysis of the customer income tax filing for the required fiscal years. It also reveals the customer's income streams and better classifies the financial status.
- **MCA Project:** developed MCA project which extracts data from MCA LLP /CHG / AOC forms and gives output in JSON format according to the client requirements or Banks

Python Developer

Hitech People Inc.

(11/11/2019 - 30/6/2020)

Projects:

- **Resume JD parser:** Worked Individually on a Natural Language Processing Parsing Project, where one can upload resume/ job description file from a web application and it extracts data from resume/Jd and matches that data to our database if any candidate or job found in the database corresponding to it then it refers that resume to company or Jd to the candidate.

Python Developer

Angel Virtual World Pvt Ltd.

(06/2018 - 9/2019)

Worked Individually on a project Zerodha to do trading automatically on the Indian stock market. Zerodha is an online broker and through using API of Zerodha convert all manual trading process to automation.

Projects:

- **Algorithmic trading bots NSE/BSE:** Created Automated Python Bots/Scripts for trading on the Indian stock market. Automated python programs that trade automatically on the Indian stock market NSE/BSE using screener, indicators, and backtests with our own strategy.

- **Trading indicators:** These are mathematical calculations, which are plotted as lines on a price chart and can help traders identify certain signals and trends within the market ex SMA, EMA, Bollinger Band, RSI, ATR, and GUPPY.
- **Screener:** It is a python Program/Script which sorts the top Buy stocks for the Indian market and then one can trade on that sorted stocks. Ex RSI and Guppy.
- **Trading Backtesters:** Backtesting is the process of applying your trading strategy to historical data. It lets traders simulate how they'd have done in the past without requiring any real-life capital.
- **Predicting stock price using Machine Learning:** Predicting Stock Price using reinforcement model. I also worked on predictive analysis, a Machine Learning project for the prediction of the stock price using deep learning, from a model of reinforcement learning we are trying to predict stock prices, and then we are going to implement our machine learning model to our Automated bots. Using the historical data of stock prices from OHLC, open high low close we are trying to predict the next open high low close of the candle or stock, but we will not get any success in this project so this project is shut down by the company.

PyPI Published Library

nlp_opticalreader : pip install nlp_opticalreader

PyPI library link: <https://pypi.org/project/nlp-opticalreader/>

- **Library with OCR & NLP** : Develop and Published a pypi library with Image processing and Natural language processing. This Library can be used to extract data from any scanned Document any type of Image, Pdf, or any extension of the file. It will return Data, the Entity, Part of Speech and Sentences extracted from an image or pdf file.

TECHNICAL SKILLS

- **Python** - Expertise in python with various Python libraries.
- **Google vision and Data Extraction**- Data Extraction using OCR and google vision from any document.
- **Flask & Django** - Experienced in Flask & Django rest framework and making API in both flask and Django. Worked to make web application integrated with Natural language processing model.
- **Natural language Processing** - I have a good experience in NLP, worked on NLP using Spacy and NLTK from collecting data to fit the model in the framework using the algorithm of neural networks in my various projects.

- **Web Scraping** - worked on web scraping with beautiful soup to collect data from various websites for my NLP model, also worked on a Script of HTML python using beautiful soup and selenium to scrape websites.
- **Frontend** - Good knowledge of frontend languages and worked on the frontend part in my projects like Html, CSS, Javascript, Bootstrap.
- **Database** - knowledge of Mysql and worked with Elastic Search.
- **Data Analytics** - knowledge of data Analytics using Pandas and Numpy libraries
- **Linux** - Good knowledge of Linux commands and OS. Working on Linux OS
- **Svn/GitHub/Bitbucket** - knowledge of GitHub and svn and can work with a team or individually for Developing Project and using Bitbucket.
- **Server and Serverless Deployment** - Knowledge of hosting projects and servers. Deployed my Django and Flask API projects on the server.
- **Pypi** - knowledge of making and publishing libraries to Pypi
- **Docker** - Used Docker in my various projects
- **Machine Learning** - knowledge of a variety of machine learning techniques (clustering, decision tree learning, artificial neural networks, random forest, Gradient Boosting Algorithm, deep learning, etc.)

EXTRACURRICULAR ACTIVITIES

- **President of College**, University Institute of Engineering and Technology, Kurukshetra University from Bhagwan Parshuram Student Org. (2017-2018)
- **Student Leader** in UIET, Kurukshetra University. (2016-2017)
- **Team Head** of Pratispardha, a national level sports meet organized at University Institute of Engineering and Technology, Kurukshetra University.
- **Coordinator Member** of Technical Committee at the national level Techno Cultural Fest 'EXCELSIOR' 16 organized at UIET, Kurukshetra University.

DECLARATION

I do hereby declare that the above information is true to the best of my knowledge.

Ashish Kumar

Delhi