# PANKAJ RATHORE

DATA SCIENTIST / BLOCKCHAIN ENTHUSIAST

## CONTACT

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## PROFESSIONAL SUMMARY

- Data Scientist with 3.5 + years of broad-based experience in building data-intensive applications, overcoming complex architectural, and scalability issues in diverse industries. Proficient in predictive modelling data processing, and data mining algorithms, as well as scripting languages including Python,R and Ruby. Capable of creating, developing, testing and deploying highly adaptive diverse services to translate business and functional qualifications into substantial deliverables.
- Experience in Text Mining, and Informations Retrieval.
- Knowledgeable in Topic modelling, Sentiment Analysis, Sentiment Polarity on Social Media Data using NLP and NLTK.
- Knowledgeable in Text Mining, Locality Sensitive Hashing(L.S.H), Text Summarization and Predictive Analysis (ML) using Python.
- Proficient in multiple libraries like NumPy, pandas, scikit-learn, TensorFlow, and also including Computer Vision. Recommendations Systems and Natural Language Processing.Strong coding ability both in producing clean and efficient code as well as debugging and understanding large codebases.
- Experienced use of modern source control.
- Experienced in performing complex data engineering operations in python.
- Experience in developing Decentralized Blockchain applications using Ethereum.
- Experienced Developer professional with strong leadership and relationship building skills.
- Experienced in DAPPS, Defi Contracts, NFT and web 3.0
- Dynamic, quick learner and open to adapting new technologies with an analytical mindset.

# EXPERIENCE

## DATA SCIENTIST/ BLOCKCHAIN DEVELOPER
INTEGRAATE INNOVATIONS (DEHRADUN) | MARCH 2020 - PRESENT

### CLIENT - ROBOTICSKIES
- Developed Drone management CRM on Django and react with PostgreSQL.
- Working as a data engineer for process data for AI-based document solution providing platform.
- Developed the classification model for identifying the issues in drones.
- Analyzed and processed complex data sets using advanced querying, visualization and analytics tools.
- Working on Research & Development with 5+ team members.

**TECH USED** - python, react, pandas, NumPy, ML Algorithms, AWS

### CLIENT - NIRVEDA COGNITION AI
- Developed classification model for Ingest structured, semi-structured, or unstructured documents. for identifying and classifying documents based on semantic understanding of language and visual cues.
- Developed the specific python-based annotation tool for annotating the client-specific document.(KPMG & MNWD).
- Deployed a model on AWS with vast functionality.

**TECH USED -** python, pandas, NumPy, google vision, textract, NLTK, Flask, AWS,

### CLIENT - AGSHIFT INC
- Developed the classification and segmentation model for specific commodities (almonds, strawberry, blueberry, carrot and many more). for identifying and classifying the various defects and variety in commodities.
- Developed scripts for making connections with IoT devices for real-world implementations. also developed for getting specific reports for every run.
- Deployed model and services on AWS and GCP.

**TECH USED -** python, NumPy, pandas, TensorFlow, mrcnn, AWS, tesorboard, scikit, flask,

### SOME PROJECTS OF INTEGRAATE

### - CRYPTO TRADING BOT
- Developed python-based crypto trading bot for centralized exchanges across the world.
- Create a real-time bot for finding arbitrage opportunities in different exchanges.
- Developed smart contracts for swapping tokens in decentralized exchanges like uniswap, panswapcake and many more.

**TECH USED -** python, solidity, node js. remix, truffle, ganache cli.

### ML ENGINEER
MICROSOFT INDIA  |  APRIL 2019 - FEB 2020

- Developed the classification model for Cortana AI engine in windows 10,
- Analyzed the vast user sentiment data and processed it for creating the classification models based on human activity in windows operating systems.
- Conduct data regression analyses of the relationship between company stock price and industry trends, achieving a 15% more accurate prediction of performance than previous year.
- Improved data mining processes, resulting in a 20% decrease in time needed to infer insights from customer data used to develop marketing strategies.
- Used predictive analytics such as machine learning and data mining techniques to forecast company sales of new products with a 95% accuracy rate.
- Increased data security by updating companywide encryption, steganography, IP security, and secure wireless transmission practices.

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### ML ENGINEER
CIU (CYBER INTELLIGENCE UNIT) INDIA  |  JULY 2018 - MARCH 2019

- Investigate and analyze the cyber cases with state police.
- Designed and Developed the OpenCV-based tool for different IoT devices to identify criminal faces across the public.
- Analysed the crime data and criminal records for creating data reports of increasing crimes in the state.
- Developed the classification model for the judiciary wing to study the case easily with helping of ML application.
- Developed regression model for continuously coming crime data.
- Managed 10+ team members for investigating the cyber cases deeply.
- Developed the security patches for government organizations.

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## SKILLS

- Text Mining, NLP, Information Retrieval.
- Machine Learning.
- Microsoft Azure ML Studio.
- Python.
- R
- Ruby
- Solidity.
- DAPPS, NFT, WEB3.0
- Truffle, gnache CLI.
- Keras, Numpy, Pandas, Tensorflow, Scikit-Learn.
- Django & Flask.
- Docker
- Jenkins
- Git
- GitHub, Bitbucket
- PostgreSQL.
- MongoDB
- Digital Ocean, Azure, AWS.
- Server Administration.
- Agile Project Management.

## EDUCATION & CERTIFICATIONS

**DATA SCIENCE WITH PYTHON**
EDX  |  MIT X

**MACHINE LEARNING**
UDEMY

**DIPLOMA IN CYBER SECURITY**
ALMA

**BACHELOR OF ENG, AUTOMOBILE ENGINEERING**
OIST BHOPAL  |  2015 - 2018

**DIPLOMA, AUTOMOBILE ENGINEERING**
OIST BHOPAL  |  2015 - 2018