PRAKHAR PATIDAR

Machine Learning Engineer

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- **May 18, 1992**



Around 5 years of industry experience in machine learning, deep learning and big data domain. Got a chance to lead a computer vision product in a startup. Working on big data processing pipelines, solving business challenges using ML and trying out latest frameworks excites me. Looking forward to solve more challenging business & tech problems and continuous learning from the team.

WORK EXPERIENCE & KEY PROJECTS

Recommendation System

- Aug 2020 till date
- Reliance Jio ML Engineer
- Working on multiple workflows to generate personalized recommendations for millions of Jiocinema, JioTvPlus and JioTV users. Deployed auto-encoder based architecture for JioCinema app in production which increased WAU recommendations click percentage from 9% to 17%.
- Tech stack: Python, Pyspark, Tensorflow, Cassandra, Mongodb, Mysql, Redis, MLFlow, Airflow, FastAPI, Elasticsearch, Kibana, Prometheus, Grafana, Kubnernetes

Video Management System

- iii Oct 2019 Jul 2020
- Nymo.ai Data Scientist
- Actively involved in designing the product. This product streams live and analysed video frames of IP cameras to web browser. Worded on various VMS features along with Face detection & recognition, ANPR,
- Tech stack: Python, Tensor-flow, YOLO, Dlib, Nodejs, Nginx, RPC, MongoDB, Docker, Docker-compose, AWS Ec2, IP Cameras, WEBRTC, RTSP, Flask, Nodejs, ReactJS

Documents processing pipeline

- Mov 2018 Jul 2019
- IBM India Data Scientist
- Generate text from scanned PDF by OCR, classify into one of the category and extract important information. Part of orchestration pipeline and classification service teams to develop E2E pipeline.
- Tech stack: Java, Spring boot, Apache Kafka, SQL Server, Python, Spacy, Tensor-flow, Watson content analytics

Centralized Database Management

- **May 2018 Oct 2018**
- IBM India Data Scientist
- A micro-service to manage user profile in centralized database. Notify other team via kafka for any configuration changes.
- Tech stack: Java, Spring boot, MS SQL, Hibernate, ORM, Kafka

Competitive marketing Analysis and Dashboards

- **Aug** 2016 Dec 2017
- IBM India Data Scientist
- Developed RESTful services and frontend dashboards for Petroleum industries data extracted from scapped content and 3rd party API's. Dashboard shows comparison of multiple KPI's with competitor.
- Tech stack: Java, jersey, Java script, Python, IBM Watson content analytic and explorer, web scrapper, NLP, Spacy, IBM DB2, Highchart

EDUCATION

M.Tech - Electric Drive and Power Electronics

IIT Roorkee

2014 - 2016

CGPA:7.9

B.E. - Electrical Engineering

MBM Jodhpur

2010 - 2014

78.6%

SSC(12th)

JDPS Kota

2008

● 87.24%

TECHNICAL SKILLS

- ML & DL: Supervised, Unsupervised, Graph ML, Recommendation Algos
- Big Data: Spark (pyspark), Kafka
- Languages: Python, Java, Scala
- Python libraries: Pandas, Numpy, Scikit learn, Keras, Tenforflow, Pytorch, Flask, FastAPI, Dask
- Databases: MySQL, MongoDB, Cassandra, Redis, ArangoDB
- DevOPS: Jenkins, Docker, Kubernetes, Git, ELK
- MLOps: MLflow, Airflow, Prometheus, Grafana
- Web: HTML, css, javascript, Nodejs, ReactJs
- Java: Spring boot, Hibernate, Tomcat
- Testing: Pytest
- Others: Protobuf

CERTIFICATIONS

- Azure Cloud AI 900, DP 100, AZ 303
- Big Data Analytics (10 Days training in IITR, DST
- Cross platform mobile app development
- R Programming Coursera

TOPICS OF INTEREST

Deep Learning Machine learning Design patterns

Big Data processing Distributed systems Graph ML

Data structures Software architecture

HOBBIES

- Playing the guitar
- Reading books
- Travelling