PRAKHAR PATIDAR

Machine Learning Engineer - Currently with Reliance Jio - AICoE (Ex IBMer)

@ prakhar.patidar987@gmail.com
📍 Bangalore, India
🔗 http://github.com/PrakharPatidar
🔗 https://www.kaggle.com/prakhar987

📞 9057216772
in https://www.linkedin.com/in/prakharpatidar987/
🔗 https://prakharpatidar.github.io/portfolio
📅 May 18, 1992

INDUSTRIES EXPERIENCE

- Having around 5 years of industries (3 years at IBM, 1 year at Aicita, 1 year at Jio) experience in data science products and software service development. Proficient in ML, computer vision and service integration techniques. Hands on experience of various object oriented languages and big data technologies. Lead an E2E product development cycle. Highly dedicated for software quality, debugging and testing and adding value to business. Looking forward to use my experience for software development and continuous learning from the organisation.

PROJECTS

Recommendation Engine

📅 Jun 2020 - till now   📍 Reliance Jio - ML Engineer

- Worked on various workflows to power the recommendations to Jiocinema, JioTvPlus platforms on scale.
- **Python, Cassandra db, Mongodb, ArangoDB Protobuffer, Redis, FastAPI, Pyspark, Elasticsearch, Kibana, Prometheus, Grafana, Kubnernetes**

Video Management System powered by computer vision

📅 Dec 2019 - Jun 2020   📍 Nymo.ai - Data Scientist

- Architect and senior developer of this product. This product streams live and analysed video frames of IP cameras to web browser. Part of Data science team to capture frame and detect various object in real time. Developed several standard VMS features e.g. camera live view, playback etc.
- **Tensor flow, YOLO, Dlib, python, Nodejs, Nginx, RPC, MongoDB, Docker, Docker-compose, Swarm, AWS, IP Cameras, WEBRTC, Real time streaming, RTSP, Flask, Express - nodejs**

Training Management System

📅 Aug 2019 - Nov 2020   📍 Nymo.ai - Data Scientist

- A web based product to provide training data (mostly images and videos) to deep learning algorithm. Data can be transformed and annotated using the product to best fit the algorithms. Part of back-end data science and integration team. Data was used to recognize people and train custom objects models.
- **Tensor flow, YOLO, Dlib, python, FFMPEG, Nodejs, Nginx, MongoDB, Docker, Docker-compose, EC2, S3, IP Cameras, Real time streaming, RTSP, Flask, Express - nodejs**

Documents processing pipeline

📅 Nov 2018 - Jul 2019   📍 IBM India - Data Scientist

- This product helps end user to take better and quick decisions by providing insights extracted from companies annual pdf and text reports by applying OCR, text classification and cognitive digitization process. Part of orchestration pipeline (distributed system) and classification service teams to develop E2E pipeline which is efficient and scalable.
- **Java, Spring boot, Apache Kafka, SQL Server, Python, Spacy**

Centralized Database Management

📅 May 2018 - Oct 2018   📍 IBM India - Data Scientist

- Centralized facade over MS SQL server and exposed services via Restful API's. API consumed by many other micro services.
- **Java, Spring boot, Design patterns, MS SQL, Indexing and Shrading, Restful Architecture, Hibernate, ORM**

Customer feedback processing

📅 Jan 2018 - Apr 2018   📍 IBM India - Data Scientist

- Development of web based application to get feedback from an automobile client's customer. Part of classification team to clean the feedback text and classify in one of the pre-defined category. Respective team were notified and suggestion give based on category.
- **Python, spacy, text classification, IBM Content classification, IBM Watson content anlaytics**

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 various unstructured data sources. These dashboards shows how their competitor are doing in the market by comparing many KPI. KPI are extracted from companies Annual reports, news and web cralwer.
- **Java, jersey, Java script, Reactjs, Python, IBM Watson content analytic and explorer, web scrapper, NLP, Spacy, IBM DB2, Highchart**

EDUCATION

M.Tech in Electric Drive and power electronics, IIT Roorkee
Project: Design and development of rooftop solar system

📅 2014 – 2016   📍 IIT, Roorkee, CGPA: 7.9

B.E. in Electrical Engineering
78.6%

📅 2010 – 2014   📍 MBM Jodhpur

SSC(12th)
87.238%

📅 2008   📍 JDPS Kota

AREA OF INTEREST

Data science   Machine learning   Deep learning   Image processing
AI Developer   Integration techniques   Software architecture

TECHNICAL SKILLS

Problem Solving   Competitive Coding   Design Patterns   Data structures and Algorithms
Software test cases

PERSONAL SKILLS

Guitar   Flute   Travelling   Communication   Cooking   Motivator & Leader

LANGUAGES & FRAMEWORKS

Python ●●●●○
Java ●●●●○
Nodejs ●●●●○
Tensorflow ●●●●○
Kafka ●●●●○
Docker ●●●●○
Git ●●●●○
Pyspark ●●●○○
Spring boot ●●●○○
Keras ●●●○○
Jest & Pytest ●●●○○
Scikit-learn ●●●○○
Linux OS and scripting ●●●○○
Mongodb, Cassandra, Redis & SQL Server ●●●○○

R
C & C++

CERTIFICATIONS

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