PRASHANT SHARMA

Data scientist & Machine Learning Engineer

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Home Agra , UP, India

Moved into the world of Data science, acquired skills involving Python programming , Machine learning,Deep Learning and Reinforcement Learning. Specialized in TensorFlow 2.0 for Deep learning applications also knows Keras API and Pytorch. Developed various models of Deep learning related to Computer Vision task , Sequence Modeling ,NLP and RL agents using TensorFlow and keras. i am a Mechanical Engineer with expertise in AI.

Twitter @prashantricoche

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EXPERIENCE

January 2020 - Present

Machine Learning and Data science

Used Python ,R , mySQL to scrape , clean and handle large datasets. Used Pandas, numpy , statsmodel-api , matplotlib , scikit libraries to organise , analyise, and visualize the data. Formulated statistically relevant question and solved them using various Inferential statistics tools like OLS,LM,GLM,Mixed LM,Residual plots, KNN,SVM,Boosting,Random Forest,Anomaly detection,and PCA etc.

TensorFLow and Keras

Used TensorFlow 2.0 and Keras API to create various Deep Learning Models. Created WGAN,Vanilla DC GAN, Controllable GAN, Conditional GAN, Facial recognition, Computer Vision and Object detection models. Used LSTM ,RNN , GRUs for NLP and Forcasting tasks like Emotion recognition,Trading agent.

Reinforcement Learning

Sucessfuly built and trained agents(bots) for interaction with environment based on previous experience by applying SARSA,Q-Learning,Expected-Sarsa,TD,Monte Carlo,DEEP Q Networks, DDQN,Dyna-Q etc.

SKILLS

- Python
- TensorFlow 2.0 / Keras
- Machine Learning
- Reinforcement Learning
- Inferential Statistics
- Data Visualisation

EDUCATION

B.Tech(graduation) from UPTU in Mechanical Engineering in 2014 with First division.
Class 12 from CBSE in 2009 with 76.66 %
Class 10 from CBSE in 2007 with 82 %

CERTIFICATION

Python specialization - University of Michigan
Professional Deep Learning - IBM
Reinforcement Learning - University of ALBERTA
TensorFlow - Deeplearning.ai
Machine Learning- Johns hopkins
Statistics-University of MICHIGAN
Generative Adversarial Netwroks - Deeplearning.ai