Priyank Khanna

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SKILLS

Technical Skills

- **AI** - Machine Learning, Neural Networks, Natural Language Processing, Convolutional Neural Networks .
- **Languages** - C++, C, Python, Matlab, MySQL .
- **Web Development** - HTML, CSS, Javascript, Flask .
- **Developer Tools** - Git, Docker, MS Excel .
- **Frameworks** - Tensorflow, Sklearn,Statsmodel.api, Pandas/Cudf/Vaex, TA, Sqlite3, Seaborn/Matplotlib

WORK EXPERIENCE

Aditya Birla Management Corporation (January – July)

- Built complete data science pipeline from data sourcing, data munging and data mining. Implement state of the art technologies in Data science, finance, and economics to forecast prices of traded goods.
- Implemented machine learning models like xgboost and random forest, multivariate forecasting methods like ARIMAX, VAR(vector autoregression) that helped business in making crucial decision, in turn saving millions of dollars for the business.
- Turned all the python code into production-level code for ease of use. Ran massively parallelized code on multiple CPU cores and GPUs for faster running.

PROJECTS

Multi Class Object Classification

- Classifies objects based on the description provided.
- Applied genism,FuzzyWuzzy and NLTK libraries for cleaning data. Fitted custom sequential model(BRNN with LSTM) using tensorflow.keras. Loss function - SparseCategoricalCrossentropy.
- Got accuracy train 72% test 66% within 5 epoch on amazon product dataset(comprises of 9919 classes and 3 million rows).

Web Crawler and Ranker

- Used python with sqlite3, beautifulsoap, urllib module.
- Crawls through the given link and stores all links it encounters in database.
- Ranks pages on the basis of number of links. Treats a repeated link as new one

EDUCATION

National Institute of Technology, Kurukshetra

Electronics and Communication Engineering *June / 2019 - Present*

Macro Vision Academy

Burhanpur, Madhya Pradesh *2015 - 2018*

- 12th CBSE - 91.8 %
- 10th CBSE - 10 CGPA

ACHIEVEMENTS

- 24/3000 Rank in amazon ML challenge.
- 81 Rank global codechef October challenge.
- 1st Prize Productathon - A 24 hr Hackathon organized by NITK.
- 2nd Prize pixar - Digital Image Processing based competition organized by NITK.
- Finalist Smart India Hackathon 2022.
- Participated and got recognized in drone challenge at IIT Bombay.