AMAN BHASHKAR |aman.da19@iiitmk.ac.in| +(91)8920359299|

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Professional Experience:
Machine Learning Engineer(Intern) at AtomGear.tech(July 2020-present)
- Reading and summarising research papers related to project.
- Running the code if it is provided along the paper.
- Working with the team to create a Standard Operating Procedure and also working on the development.

Trainee at Robotech Labs Private Limited. Dec 2019
- Learned to perform Exploratory Data Analysis along with implementing various ML models.
- Worked on live projects in Python.

Education
JULY 2019 - July 2021
IIITM- Kerala, Trivandrum

M.Sc Computer Science with specialization in Data Analytics

TECHNICAL SKILLS:
Programming Languages: Python, R, Java, C, C++
Database: MySql
Libraries: OpenCV, Scikit-Learn-,Scikit-Image,sktime, Numpy, Pandas, Matplotlib, Seaborn, Weka, e1071
Tools: Git, Bash, Vim, MS-Excel
Frameworks: Tensorflow,PyTorch

Training and Workshops:
- AICTE(ATAL) Attended Faculty development Program on ARTIFICIAL INTELLIGENCE at NIT Patna.
- Attended Second National Seminar on Machine Intelligence(NSMI'2020) at Department of Computer Science, University of Kerala.
- Participated in workshop on Machine Intelligence at university of Kerala. (January 2020)

Projects:
1. **Image Extraction using Mask RCNN:**
   Extracting image from background using transfer learning with model trained on COCO dataset.

2. **Dog breed classification (currently ongoing)**
   In this project I used **traditional CNN, CNN with data augmentation and finally Transfer Learning** by **VGG16** model with weights pre-trained on **Imagenet** to solve the dog breed classification problem**.**
   The best training accuracy, I got is **86%** and the best **validation accuracy** was around **57%.**
   Currently trying to Optimize the results.

3. **TELECOM CHURN PREDICTION USING MACHINE LEARNING TECHNIQUES**
   Project code can be viewed at https://gitlab.com/root_42/churn_prediction
   This was my 2nd semester mini project. I tried various ML models on Telecom dataset to predict the churn in customers. Out of all models tried **XGBOOST** gave the best performance of **93%**.

4. **Stock price prediction using LSTM**
   Project code can be viewed at https://gitlab.com/root_42/stock_prediction
   In this project I trained to **LSTM** on previous **8 years** of stock data of **YES BANK** and Used the same model to predict the Apple stock price. The difference in price of Apple stock was **97 cents**. The model was able to adjust the seasonality very well as there was a stock split which was remarkable.

   I want to improve the model by incorporating news from various news streams. So the model can be more precise.

Interests:

I want to find various ways machine learning can be used in traditional field of studies especially in finance and marketing to achieve optimum results. I'm also interested in solving various type of optimization problem in finance like supply-chain optimization, portfolio optimization, overall portfolio risk minimization, etc.

I would also like to work on targeted marketing using social media data. Currently I'm working on analyzing twitter data in estimating brand power.

Licenses & Certifications
1. Data Analytics with Spreadsheets issued by **DataCamp, Credential ID: 10893740**
2. Intermediate Python for Data Science issued by **DataCamp, Credential ID: 10471852**
3. Introduction to Data Visualization in Python by **DataCamp, Credential ID: #14518569**