

ANMOL JAWALI MALLIKARJUNA

DATA SCIENCE | MACHINE LEARNING | SOFTWARE

CONTACT

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PROFILE

Master's degree graduate specialized in Data Science, Machine Learning and Deep Learning. Certified in SQL for Data Science, Tableau, Neural Networks and Deep Learning. Skilled in Python, NumPy, Pandas, R, SQL, Tableau, Algorithms, Statistics, Development and Deployment of end-to-end Machine Learning Models, and Problem Solving with a Data Scientist Nanodegree.

EDUCATION

MAY 2020

UNIVERSITY OF MASSACHUSETTS
[AMHERST, MA]

Master of Science in Computer Engineering

MAY 2017

VISVESVARAYYA TECHNOLOGICAL
UNIVERSITY [KARNATAKA, INDIA]

Bachelor of Engineering in Electronics and Communication

TECHNICAL SKILLS

- Python, R, SQL, C/ C++, CUDA, JavaScript, PyTorch, REACT.
- Machine Learning
- Software Engineering
- Advanced Analytics
- Natural Language Processing
- Statistics and Probability
- Data Visualization
- Git version control
- AWS SageMaker, Lambda, API Gateway

EXPERIENCE

DEC 2020 - PRESENT

Machine Learning Engineer | Chefur

- Engineer **development** to design algorithms that **automate** the grocery ordering process.
- **Develop** a Python and **REST-API** based micro-service, deploy the end-to-end ML model on **AWS** with auto re-training, to provide accurate recommendations and predictions based on customer preferences.

AUG 2020 – NOV 2020

Data Scientist | Ingaige | Internship

- Develop engagement solutions in the healthcare and wellness business industry. Built a model to provide **recommendations** to healthcare workers with issues regarding mental health.
- Designed a data collection schema, to capture real world data and outline the structure for data storage in **SQL Database**, which can be used to **analyze** market trends and improve the predictions with model re-training for a personalized user experience.

DATA SCIENCE PROJECTS

DEC 2019

Road Lane Detection using Deep Convolutional Neural Networks (CNN, RNN, Convolutional LSTM) 🔄

- **Lane detection** using multiple frames of a continuous driving scene is implemented with a hybrid **deep architecture** combining CNN and Recurrent Neural Network (RNN) in **PyTorch**.
- The idea is to extract features of continuous images using the CNNs and these features of multiple frames, holding the properties of **time-series**, are then fed into **RNN** block for feature learning and lane prediction. To increase the **accuracy** of the obtained model, classic image smoothing techniques are implemented.

MAY 2020

Disaster Response Pipeline (NLP Pipeline, GridSearchCV, SVM) 🔄

- Designed **Natural Language Processing** and Machine learning pipelines to extract, process and build the prediction model and, implemented a ML **pipeline** with parameter optimization technique to classify text data.
- **Deployed** the model to a **website** where users can test the developed algorithm and see multiple **visualizations** of analyzed data.

MAY 2020

Recommendation System (Matrix Factorization, SVD, Collaborative Filtering) 🔄

- The IBM-Watson dataset was used to implement **rank-based** recommendation, a user-user based **collaborative filtering**. Also, implemented a machine learning model to predict new articles an individual might interact with, using **matrix factorization and SVD**.