|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Dileep Vadlamudi | |  |  | | --- | --- | | +91 9030400938 |  | | dileep3002@gmail.com |  | | linkedin.com/in/dileep-vadlamudi-3002 |  | | https://bitbucket.org/dileep3002 |  | |

## Summary of Experience:

# Expert Professional with 3 years of experience as Machine Learning/Deep Learning Engineer

# Experienced in projects related to NLP, Computer Vision, Predictive Maintenance, Recommender Systems,Web Scraping

# Skilled on utilizing tools like TensorFlow, PyTorch, Keras and Scikit-learn etc.,

# Hands on Experience in building end to end processes and applications.

# Strong Experience in handling relational databases like MySQL/SQL Serves using SQl.

# Extensive Knowlede on building production ready models with accurate metrics.

# Outstanding Skills in Data Analysis and Data visualization.

# Strong Experience in creating docker image with ML/DL Models and deployed to AWS Lambda service / Flask API.

# Experience in working with NO-SQL databases like influxdb.

# Excellent analytical, negotiation & inter-personal skills with demonstrated communication and relationship management abilities.

# Able to work in a fast paced environment and reached the stringent timelines.

# Capable of adopting new domains, technologies, concepts and environments.

# Skills:

|  |  |
| --- | --- |
| * Python * Machine learning * Scikit-learn * Tensorflow, Keras,Pytorch * Docker * Flask | * Deep Learning * Natural Language Processing (NLP) * Data Visualization * SQL Server,My SQL * AWS Lambda * Computer Vision |

# Professional Experience:

### AUG 2020- PRESENT

### **AI Engineer / MRC Ventures (Groundup.ai), Singapore (Remote)**

### Groundup.ai provides AI/ML services to clients in domains like Predictive Maintenance , Computer Vision, Recommender Systems,NLP etc.,

# Projects Handled:

# 1.Predictive Maintenance of Navy ships:

# Analyzing sound data and trying to predict machine performance and health using audio processing techniques and Machine Learning / Deep Learning , which is deployed in AWS Lambda.

# Outcome:

# Collected sound data from ships and performed Data Analysis by generating features like mfcc, zero crossing score ,spectral etc,.

# Applied Machine Learning / Deep Learning Algorithms like CNN,SVM ,Auto Encoders to validate and finalize the models with 90% accuracy in Anomaly Detection.

# Built docker image and deployed to AWS lambda service and added S3 trigger to invoke it.

# Created an end to end pipeline to UI by inserting all the predicted data to InfluxDB, MySQL database.

# 2. Recommender Systems.

# Generating recommendations for users based on their video history in a virtual conference using Data Analysis and Machine Learning Techniques.

# Outcome:

# Collected description and title from the past conference data ,performed data preprocessing

# Built item-item similarity model ,generated embeddings to do transfer learning on new conference data.

# Computed user-user similarity indexes.by analyzing user history.

# Recommended top10 videos based all computed similarity scores.

# Created a docker image and Deployed it as REST API using FastAPI module which is similar to Flask.

# Programmed in Python, Machine Learning and inserted data into MySQL using SQL.

### April 2019 – AUG 2020

### **Machine Learning Engineer / Monocept,** Hyderabad

**Responsibilities:**

* Applied Deep Learning Techniques like CNN, RNN, DNN, LSTM and Achieved good Results.
* Reducing Error by using Different Featurization Techniques.
* Building Models suitable for production
* Creating Models with good metrics (AUC-ROC, F1-score, precision, recall, etc.)
* Deploying models to production ready multi-processing code which can handle millions of data.

# Projects Handled:

* Promotional Categorization
* Product Categorization

### DEc 2018 – Mar 2019

### **Machine Learning Intern / Monocept,** Hyderabad

# Projects Handled:

## Web Scraping and Predicting Sensitivity

# Personal Projects

## What’s Cooking: Project is to predict the cuisine by using ingredients of a recipe.

## Bitbucket Link: <https://bitbucket.org/dileep3002/whats-cooking>

## Quora Question Pairs: Project invoves detecting the duplicate/similar questions asked in quora.

**Bitbucket Link:** [**https://bitbucket.org/dileep3002/quora-question-pairs**](https://bitbucket.org/dileep3002/quora-question-pairs)

**Cancer Diagnosis Using Medical Records**: classify genetic mutations based on clinical evidence.

**Bitbucket Link:** [**https://bitbucket.org/dileep3002/personalised-cancer-diagnosis**](https://bitbucket.org/dileep3002/personalised-cancer-diagnosis)

# Education

2014-2018 **B.Tech.**, *in Computer Science and Engineering, Methodist College of Engineering and Technology, Hyderabad with 72.6%*.

2012-2014 **INTERMEDIATE (MPC)**, *from Board of Intermediate Education AP, with 94.9%*.

2011-2012 **Class X**, *from Board of Secondary Education AP, with CGPA 9.0/10*.

# Personal Details:

# Languages Known: English, Telugu

# Date of Birth: 08/08/1997

# Address: 1-66,Kummari Basthi, Gafoor Nagar,Madhapur,Hyderabad-500081