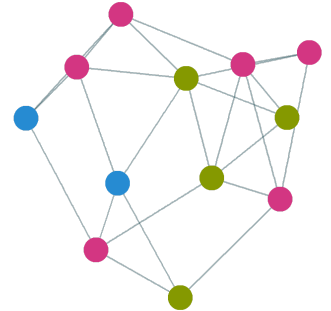# DINESH LADI

I have 5 years of experience in data analyses, machine learning, NLP and data visualization. Conceptualized and built a data tool within a span of 4 months and sold it to one of the unicorns in the country. Spoke at DataBricks and Seoul AI Summits.

Currently looking for a data science role where I can help companies/people leverage data to make better decisions using data analyses, machine learning and data visualization

CONFERENCES

Conversational AI using transformer models
Seoul AI Summit 2020

Conversational AI with transformer models
DataBricks Data + AI Summit North America Chapter 2021

INDUSTRY EXPERIENCE

2021
|
2020

Data Scientist
Walmart Global Tech   📍 Bangalore, India

Project:Build Continuous Model Monitoring

- Solution: Generate model diagnsotics reports and dashboards to identify anomalous/unexpected performance of models in the system. And also create triggers to create a JIRA ticket whenever the performance of a model is subpar
- Benefit: The solution helped in identifying the data drift and model drift

Project: Intent Classification

- Business problem: Improve associate experience while using chatbot
- Solution: Build classifiers by finetuning DistilBERT embeddings for intent classification
- Benefit: The solution improved the chatbot in identifying the intent of the user

Project: Optimization of bags usage at Walmart stores

- Solution: Use bin packing algorithms to identify optimal bags to be used at store checkout counters
- Benefit: The solution helped in identifying the stores with high over-usage of bags and keep on check on the same

Project: Curation of Associate Ideas using NLP

- Solution: Building a system to filter and group high quality ideas using topic modeling on S-BERT embeddings of user ideas
- Benefit: The solution will make sure that the higher management gets high quality distinct ideas that can further reviewed for implementation

CONTACT

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📍 Bangalore, India

SKILLS/TOOLS

R

SQL

Python

Bash

Excel

PySpark

Azure

COURSES

Statistical Learning (Stanford)

Deep Learning Specialization (deeplearning.ai)

Data Scientist Track (Dataquest.io)

Introduction to Corporate Finance

Data Scientist

Actify Data Labs ⚲ Bangalore, India

Project: Crop Classification using Satellite Imagery

- Business problem: Classification of various crops using Satellite Imagery
- Solution: Built a pipeline to create spectral indices using satellite images, create features on top of the spectral indices, train models and score the models on new satellite images
- Benefit: Reduced huge number of man-hours taken to identify and geospatial labeling of crops across various regions in the country. Manual geolabelling of crops for each district takes around 4-5 man hours. Reduced it down to less than 1 hour without compromising precision and recall

Product Engineering and Management: Interactive Decision Tree

- Developed an interactive drag and drop decision tree tool for segmentation of data for business users. The features include delete, add, cut and copy a subtree from the tree and export the rules to segment the data
- Conceptualized, designed and developed the complete product module including algorithm design, UI design and scalability for larger data
- The product is sold to one of the cab sharing unicorn in the country

Analytics Specialist

Opera Solutions ⚲ Delhi, India

Project: Revenue Management

- Problem: Identification of revenue leakage during billing for US healthcare providers.
- Solution: Development of an ensemble of Random Forest and Logistic Regression to identify potential revenue items that are missing from a given bill and provide recommendations to the front line accounts.
- Benefit: More than 85 % of the recommendations were correct in identifying missed bill items. This led to significant revenue enhancement for the health care providers.

Analyst

Cognizant Technology Solutions ⚲ Chennai, India

Project: Ad-Viewership Analytics

- Problem: Estimation of ad spend effectiveness for a major US telecom giant.
- Solution: Built data pipelines to curate, consolidate and process ad-viewership data across all viewing channels

🎓 EDUCATION

Bachelor's and Master's

IIT Bombay ⚲ Bombay, India

- Energy Science and Engineering. GPA 8.04/10

Timeline (left margin):
- 2020 | 2018
- 2018 | 2017
- 2017 | 2016
- 2016 | 2011