

Akarsh Bachu

Data Scientist

Skilled in Data Science, ML, DL and Python with 3 years of experience, Achievements include creating C-CNN model which can classify 25000 merchants from noisy transaction data, it's utilized in campaigns which in turn boosted revenue of our organization.



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WORK EXPERIENCE

Associate Data Scientist Cardlytics Inc.

05/2020 – 07/2020

Description/Responsibilities

- Cardlytics is into Purchase Intelligence, Based on transactions data from banks we generate offers and these offers are placed on bank application, these are customized at individual user level.
- We get transaction data as a string of 15 pipe separated fields which is noisy, Cleaning this data using Machine Learning and Deep Learning techniques.
- Extracting merchant names from the transaction data and mapping it to a valid brand name using the C-CNN model.
- Mapping this transaction data to store location at various confidence levels like street, zip, and city-level using Auto Encoders, K-Means & Google Maps API.

Jr. Data Scientist & Java Dev ADP India Pvt Ltd

07/2018 – 07/2020

Description/Responsibilities

- Description: The Product Provides Analytics of various other Products of ADP, Using Dashboards, KPI's(Key Performance Indicators) Benchmarks and Explorers.
- Involved in all phases of Data Science and ML tasks like Data Preprocessing, EDA, Visualization, Feature Engineering, Developing Models and Validation.
- Recommending insights based on the user interaction, Used Random Forest classifier to classify insights as liked or disliked i.e. converted recommendation problem to classification problem.
- Performed Machine Learning tasks to predict the turnover of an employee, achieved AUC of 0.88 using XGBoost.
- Creating KPI's(Key Performance Indicators) using Java and JPA Framework(myBatis)
- Developing API's in Java for Insights data fetch & Feedback Mechanism

EDUCATION

PGD In Data Science IIIT Bangalore

07/2019 – 07/2020

3.83/4

B.Tech Mahatma Gandhi Institute of Technology

09/2013 – 05/2017

74%

Course

- Computer Science and Engineering

SKILLS

Data Science Machine Learning Deep Learning

Python Java Keras Tensorflow NLTK

NLP Sklearn Numpy Pandas Scipy

Plotly Flask Probability Statistics Hive

SQL IOT HTML5/CSS3/Bootstrap4

PERSONAL PROJECTS

Stock Price Prediction (05/2019 – 05/2019)

- It's a Deep Learning Model, that predicts the stock price of (n+1)th day given n days data using LSTM.

Donors Choose Application Screening (11/2018 – 12/2018)

- It's a Classification problem where our model classifies if the project proposed can be Approved or not, Achieved an AUC of 0.74 using LightGBM.

Netflix Movie Recommendation Engine (08/2018 – 08/2018)

- It's a Machine Learning Model that recommends the movies by analyzing user's previous history.

StackOverFlow Tag Predictor (07/2018 – 07/2018)

- It's a Machine Learning Model, that predicts the suitable tags for the Description/Question given. Achieved precision of 80% and hamming loss of 0.002 using Linear SVM.

Amazon Review Classification (04/2018 – 04/2018)

- It's a Machine Learning project, where the model classifies the reviews as Positive or Negative.

Personal Website (02/2018 – 02/2018)

- It's a Personal Portfolio created using HTML and Bootstrap, includes a Chat-bot (Virtual Representation of Me).

Heart Connoisseur (05/2016 – 06/2016)

- It's an IOT based alarming device built for detecting heart abnormalities that also notifies the pre-chosen contacts for help in the span of an SMS.

ACHIEVEMENTS

Oracle Certified Java Programmer

Oracle Testing Id: OC1731881 (Java SE 8)

Hackerrank Algorithm Level 5

Received a Merit certificate from ICSI for presenting 'Heart Connoisseur'(IOT product)