Subramanya Toudinja Ananthakrishna

Ames, IA

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Willing to relocate: Anywhere

Work Experience

Senior Software Engineer

Indecomm Global Services - Bengaluru, Karnataka

May 2019 to April 2020

Recommendation System for Home Buyers
Developed recommendation system for purchases of houses by applying Neural Matrix
Factorization which improved Hit Ratio from 70 to 80% and NDCG from 61 to 70%

Senior Data Scientist

Sentienz Solutions - Bengaluru, Karnataka

November 2017 to May 2019

Data science team lead and worked mainly on the following two products
1. Argoid - Autonomous Consumer Insights Platform.
2. Cognizer - Natural Language Cognition
Argoid
Product Recommendation
Developed product recommendation system using CNN and entity embeddings.
Time Series Forecasting
Developed stock price forecaster based on Deep Learning models 1D CNN and LSTM
Customer Segmentation
Created Customer Segmentation platform using GMM and Customer Engagement classification using
Random Forest, SVM.

Data Scientist

HFN Inc - Bengaluru, Karnataka

April 2017 to October 2017

Nanoheal - B2C Technical Issue Resolution Chatbot
Developed a natural language QA system for the technical issue resolution chatbot.
Deployed the chatbot through a REST-API using Flask web-framework and SQLAlchemy.

NLP Researcher

Senseforth Technologies - Bengaluru, Karnataka

June 2015 to November 2015

Document Summarization and Opinion Mining Module
Used Text rank and Lex rank algorithm for extractive summarization of customer reviews.
Information Extraction Module
Developed a CRF based classifier to extract Article Title, Author Name etc from Customer

Emails for a leading MNC in Publishing Industry.

Data Analyst
LatentView Analytics Market Mix Modelling - Chennai, Tamil Nadu
June 2014 to June 2015

- Home Service Industry
Developed a Market Mix Model and revenue forecasting tools to determine the efficient allocation of marketing budget by applying ARIMAX, ARIMA based techniques in R.

Education

MS in Computer Science
Iowa State University - Ames, IA
August 2020 to Present

BTech in Chemical Engineering
IIT Madras - Chennai, Tamil Nadu
August 2010 to November 2014

Skills

- Programming: Python,R
- Data Visualization: Tableau, Plotly
- TensorFlow
- Pytorch
- Sklearn
- MySQL
- MongoDB
- ElasticSearch
- Git
- Machine Learning
- SQL
- Data Science