

Contact

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www.linkedin.com/in/d-tony-fredrick-b4895515a (LinkedIn)

Languages

Hindi

English (Native or Bilingual)

Kannada

Certifications

Improving Deep Neural Networks:
Hyperparameter tuning,
Regularization and Optimization

Machine Learning

Algorithmic Toolbox

Exploring and Preparing your Data
with BigQuery

Google Cloud Platform Big Data and
Machine Learning Fundamentals

D Tony Fredrick

IIT Madras || UnitedHealth Group || Gramophone || RentSher
Chennai

Experience

UnitedHealth Group

Data Scientist Intern

May 2020 - Present (4 months)

Bengaluru, Karnataka, India

1. Working on the problem of protein tertiary structure prediction for drug discovery using Deep Learning.
2. Built a Sequence to Sequence prediction RNN model based on Long Short Term Memory and Paragraph Vector Embeddings to determine the three-dimensional structure of a protein.

Gramophone

Data Scientist Intern

December 2019 - January 2020 (2 months)

Bengaluru Area, India

1. Built an agricultural advisory chatbot to help diagnose crop diseases through an interactive question-answer model. The chatbot was capable of predicting the disease with more than 80% confidence by asking four questions on an average.
2. Was responsible for creating detailed reports on the usage and success of various features of Gramophone's mobile application.

RentSher India

Data Scientist Intern

May 2019 - July 2019 (3 months)

Bengaluru Area, India

- Used Association Rule Mining for recommending products frequently rented together to the users.
- Was responsible for creating Customer Personas based on the spending habits of customers in various product categories with the help of Clustering Algorithms.
- Developed a Reminder Email Sender using Python libraries that sends informative emails to potential customers about offers and new products a few days before their old order dates.

- Developed a Search Engine Optimization(SEO) Report generator using Python libraries and the SERP API to monitor the performance of relevant search keywords to obtain a metric to gauge the SEO performance of the firm and its weekly improvement.

Shaastra, IIT Madras

Coordinator

May 2018 - May 2019 (1 year 1 month)

Chennai Area, India

Career Development Cell, IIT Madras

Manager

February 2018 - May 2019 (1 year 4 months)

The Fifth Estate IIT Madras

Correspondent

February 2018 - May 2018 (4 months)

Education

Indian Institute of Technology, Madras

BTech + MTech (Dual Degree), Electrical Engineering · (2017 - 2022)