


ARUNJITH A

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EDUCATION

**IIT Hyderabad,
2021- Present**

PG Diploma

Software Engineering for Data Science

**Indian Institute of Technology
Madras**

Chennai, TN • 2017

Bachelor of Technology

Chemical Engineering

SKILLS

**Programming Languages and
Frameworks**

- Python
- React.js, JavaScript, CSS, HTML
- SQL
- R
- Scala
- Spark
- TensorFlow
- Torch
- Docker

Relevant Coursework

- Computational Engineering
- Probability, Statistics and
Stochastic Processes
- Introduction to Statistical
Learning, Stanford
- Neural Networks and Deep
Learning - deeplearning.ai

WORK HISTORY

UnitedHealth Group – Data Scientist

Hyderabad, Telangana • 10/2019 – Current

- **OCR (Optical Character Recognition) Team**
 - ✓ Developed and maintained state-of-the-art **OCR** and **Word Detection** models in production, which is leveraged across different workstreams for automation. Thousands of Handwritten and Machine Printed forms are processed every month, with accuracies above **95%**
 - ✓ Developed a novel **Attention OCR** using a transformer architecture to transcribe English words with a greater accuracy than traditional OCR models.
- **Claims Auto decisioning**
 - ✓ Solved a challenging problem of using question answer data to accurately predict the approval of a prescription claim using NLP
- **Intelligent Call Routing and Direct Mail Campaign Optimizations**
 - ✓ Developed CatBoost and XGBoost models to assign a customer's call to an appropriate agent, based on the customers' demographics and the agents' performance, to optimize conversion and improve the customer experience
 - ✓ Built and deployed models to improve conversions of direct mailing campaigns, using customer demographic data. The insights from the model are also used in other similar campaigns

Quantium Analytics – Data Scientist

Hyderabad, Telangana • 07/2017 – 10/2019

- **Analytics Community Ambassador**
 - ✓ Part of the Analytics Community, which drives initiatives to improve the analysts' inventory of tools and resources, helping them deliver innovative analytics work
 - ✓ Led beginner and advanced level knowledge shares on Deep Learning concepts to analysts in Quantum India and Quantum South Africa. Sessions helped the analysts on board onto Deep Learning frameworks in Python, and was received very well with many of them using the concepts for projects in and out of their regular work
- **Advanced Analytics Squad - Supermarket Dedicated**
 - ✓ Understanding customer sentiments from qualitative free text Data using Stanford Movie Review Dataset, to help the supermarket identify areas of improvement at a product category level
 - ✓ CNN Network to predict the Product Category to which new products should belong to, where previous transaction records are unavailable, using an NLP approach and based on available Product Attributes
 - ✓ Using product vectors, derived from the original Word2Vec methodology to assign currently unassigned products to their respective product category
- **Supermarket Dedicated Projects Team**
 - ✓ Built customer segments using XGBoost, based on their liquor purchase behavior. Segments are used to determine the kind of products and promotions each segment is looking for and target customers better to improve their share of wallet from within client liquor stores