

# ROHAN W

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## Education

### SRM University

B.Tech E.C.E

July. 2015 – July 2019

Chennai, TN

## Relevant Coursework

- Data Structures
- Algorithms Analysis
- Probability and Random Process
- Internet Technology
- Software Methodology
- Digital Image Process
- Systems Programming

## Experience

### Machine Learning Engineer

Feb 2020 – Present

Rapid Acceleration Partners

Chennai, TN

- Worked on developing NLP and Multi-Modal components for rapflow ( Low code AI Solutions Platform )
- Lead a team that built and deployed AI driven automation tools to optimize sales leads for US car dealerships as well as create new sales leads to drive revenue growth. In addition to that we developed a tool to optimize warehouse workflow
- Developed document classification model to classify documents in the airplane parts space and a document understanding models to extract key value pairs from the same

### Data Science Associate

June 2019 – Nov 2019

Zoomrx

Chennai, TN

- Developed data processing tool so as to ensure that data from different sources integrates seamlessly with the different modules that consume that data
- Developed a tool for validating and cleaning millions of rows of clinical trails data which is stored across multiple databases across multiple formats in real-time
- Designed Business Rules for strategic classification of data into concepts such as Disease, Firms and Drug and Creating a pipeline so as to ensure that the data integrates with the existing concepts.

### Data Science Intern

Dec 2018 – May 2019

Zoomrx

Chennai, TN

- Worked on developing a browser extension which acted as an lookup table for medical terms in the webpage which consumed Ferma.ai ( Market intelligence AI product )
- Worked on an automated annotation tool that parses medical data and extracts keywords for Ferma.ai
- Worked on a internal tool to QC parsed data and update them real-time

## Projects

### Stock Market Prediction | Python, Pytorch

- Gathered stock market data from yahoo finance
- Restructured the data into sequential by using numpy and pandas
- Trained the model with test accuracy of 61 and val accuracy of 59

### Road Accident Prevention | Python, Sklearn

- Developed accident prediction and prevention system
- Model was developed using Random Forest
- Built customized python-based data collection and aggregation web scrapers on road accidents dating to 2013

## Certifications

### Deep Learning Spelization

Nov 2019

Coursera

- Build and train deep neural networks, identify key architecture parameters, implement vectorized neural networks and deep learning to applications
- Train test sets, analyze variance for DL applications, use standard techniques and optimization algorithms, and build neural networks in TensorFlow
- Build a CNN and apply it to detection and recognition tasks, use neural style transfer to generate art, and apply algorithms to image and video data
- Build and train RNNs, work with NLP and Word Embeddings, and use HuggingFace tokenizers and transformer models to perform NER and Question Answering

## Technical Skills

- **Languages:** Python, JavaScript, SQL, Go, C++, Bash
- **Technologies/Frameworks:** Linux, Git, PyTorch, TensorFlow, Docker, Flask, FastAPI, AWS, Redis, Celery, scikit-learn

## Leadership / Extracurricular

- Teaching Assistant for teach for India for a month in DEC 2018 and NOV 2019
- Taught programming to school children between DEC 2019 to Jan 2020