

ROHAN W

Chennai, India

+91 9840571093

rohan.w.charles@gmail.com

linkedin.com

github.com

Education

SRM University

B.Tech E.C.E

July. 2015 – July 2019

Chennai, TN

Experience

Senior Machine Learning Engineer

Jul 2021 – Present

Rapid Acceleration Partners

Chennai, TN

- Led, mentored and guided a team of 4 members in the Machine Learning Team
- Was instrumental in pushing for and implementing changes to the training pipeline for our product (RAPFlow) to increase efficiency and usability
- Upgraded the in-house OCR solution resulting in a 48% reduction in inference time without compromising on inference quality
- Developed and implemented a curriculum to train internal developers in Machine Learning
- Acted as the primary point of contact to translate client needs to the Machine Learning team and productionize the developed solutions.

Machine Learning Engineer

Feb 2020 – Jul 2021

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 a 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 Created 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 an internal tool to QC parsed data and update them real-time

Certifications

Deep Learning Specialization

Nov 2019

Coursera

Game Theory

Sept 2020

Stanford University

Technical Skills

- **Languages:** Python, SQL, Hadoop
- **Technologies/Frameworks:** Linux, Git, PyTorch, TensorFlow, Flask, Scikit-learn
- **Containerization:** Docker, Docker-compose, Podman
- **Data Manipulation:** Pandas, Numpy, SQL
- **Data Visualization:** Matplotlib, Seaborn, Plotly, D3.js
- **Big Data:** Hadoop, Spark, Hive
- **Cloud Computing:** AWS (SageMaker, S3, CloudWatch, CloudShell, Textract, EC2)
- **Monitoring tools:** Prometheus, Grafana and cAdvisor

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