Rohan W

Chennai, India

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Education

SRM University July. 2015 − July 2019
B.Tech E.C.E *Chennai, TN*

Relevant Coursework

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

Experience

Senior Machine Learning Engineer Jul 2021 − Present
Rapid Acceleration Partners *Chennai, TN*

- Mentoring and guiding the machine learning team to build and ship ML enabled products and projects
- Optimized the current OCR solution and reduced inference time by 48 percent while not affecting the current inference accuracy
- Brought in active learning frameworks to reduce the overall annotation effort

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 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

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