ROHAN W

Chennai, India

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Education

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

Experience

Senior Research Analyst - Machine Learning   April 2024 − Present
Amazon   *Banglore, IN*
- Tested the efficacy of claud on backfilling product attributes
- Used Hierarchy Prompting to leverage internal LLMs to backfill attributes for products across amazon market places

Senior Machine Learning Engineer   Jul 2021 − June 2024
Rapid Acceleration Partners   *Chennai, IN*
- 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 chatbot powered by GPT-3.5 and LangChain to automate customer interactions and lead them to setup an appointment with the car dealership. The chatbot was able to answer customer questions, provide product information, and schedule appointments. As a result, the chatbot increased customer satisfaction, reduced drop off, and improved the sales funnel

Machine Learning Engineer   Feb 2020 − Jul 2021
Rapid Acceleration Partners   *Chennai, IN*
- 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, IN*
- 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

Data Science Intern   Dec 2018 − May 2019
Zoomrx   *Chennai, IN*
- 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

Awards

Employee of the Quarter   August 2023
Rapid Acceleration Partners

Technical Skills

- **Languages**: Python, SQL
- **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
- **Cloud Computing**: AWS (SageMaker, S3, CloudWatch, CloudShell, Textract, EC2)
- **LLMs**: gpt-3.5, llama2 and mistral, LangChain