

APURVE YAJNIK

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Work Experience

Principal Data Scientist

Drivebuddyai - A division of Roadzen

Dec 2022 - Present

- Working as both an individual contributor and manager for the Data Science team. This involves building systems using road video data, driver monitoring, and navigational data.
- Created a module that observes events such as driver distraction, drowsiness, forward collisions, hard braking etc., and provides detailed context for each scenario.
- Built a pipeline to profile and score driver performance, and create analytics reports for fleets.

Data Scientist

Self-Employed Freelancer

Sep 2020 - Nov 2022

- Built a system for extracting information regarding ESG goals from recurring financial reports using NLP QA models.
- Created feature stores on GCP for various aggregate features for Machine Learning tasks.
- Built a Discord bot to provide customer support information and manage toxic comments.
- Created the backend APIs for hotel group booking system.

Data Scientist

Housing.com

Nov 2019 - June 2020

- Created a house rent price suggestion model for brokers.
- Built and deployed an ensemble containing object detection models and Image classifiers for image filtering for India's biggest real estate marketplace Housing.com.
- Created a module to generate rental listing descriptions using GPT-2.

Applied Research Engineer

Netomi (formerly msg.ai)

July 2017 - Oct 2019

- Implemented and trained Deep Learning based models for NLP tasks with a main focus on Intent Classification, Language Modelling, Text Similarity, and Question Answering.
- Built and shipped the end-to-end Natural Language Understanding pipeline for customer support chat and email bots from research to production for clients like Westjet, Tmobile, Singtel, etc.
- Created an Intent Classification platform API to train and ship domain-specific chat and email bots using Transfer Learning.

Education

Bachelor Of Engineering

Computer Science

Thapar University, India

2012 - 2016

Skills

Programming

- Python
 - Pandas, Numpy, Scipy
 - Scikit-Learn, Spacy, LightGBM, H2O
 - Django, Flask
 - Pytorch, Keras
 - HuggingFace
 - LangChain

Tools

- Git
- SQL DBs - MySQL, SQL Server, PostgreSQL
- NoSQL DBs - MongoDB, Redis, Neo4j
- LLMs
- Docker
- Kafka
- AWS (EC2, S3, Sagemaker etc.)