

# APURVE YAJNIK

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## Work Experience

### Principal Data Scientist

#### Drivebuddyai

Dec 2022 - Present

- Building machine learning modules for vehicle monitoring and alerts. These systems are built using road video data, driver monitoring, and navigational data.
- Leading the team in building and managing the vehicle and fleet data processing pipeline.
- Creating monthly reports for clients containing fleet performance metrics and visualizations.

### Data Scientist

#### Self-Employed Freelancer

Sep 2020 - Nov 2022

- Built a system for extracting required information 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 of object detection models and Image classifiers for image auto-filtering for India's biggest real estate marketplace Housing.com.
- Created a model to generate rental listing descriptions using GPT-2.
- Tech stack: Scikit-learn, H2O, Pandas, Flask, Keras, PyTorch, Tensorflow, Kafka, etc.

### 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.
- Tech stack: Tensorflow, Keras, Spacy, Numpy, Scikit-learn, Mysql, Flask, Kafka, AWS (multiple services), Pandas, Neo4j, etc.

## Education

### Bachelor Of Engineering

#### Computer Science

#### Thapar University, India

2012 - 2016

## Skills

### Programming

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

### Tools

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