



Kumar Nishant Sinha

Data Scientist

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Skills

Python

Machine Learning

- Regression Algorithms
- Tree based models
- Bayesian techniques
- Ensemble models
- Graph models

Natural Language Processing

- Entity extraction
- Semantic Analysis
- Semantic Embedding's
- Doc Extraction
- Doc Classification
- Topic modelling
- Information retrieval
- NLU/NLG

Deep Learning

- CNNs
- RNNs
- Transfer Learning
- Transformer models

Web-Scraping

MySQL

Flask APIs

Professional Experience

Present Senior ML Engineer - Product Team Acuity KP, Bangalore



Unstructured to structured data conversion

- Extraction of structured entity wise information from a highly unstructured data source.

Relation extraction model

- Entity relation extraction model from the above unstructured text.

SOTA Text classifiers for given streaming data

- Text classification model for bucketing the real time feeds into respective categories. Extensive application of the idea to solve various classification tasks.

Nov, 2021

Nov, 2021 Data Scientist - Product Team Indegene, Bangalore



AI based Document Screening platform

- Developed a literature Screening Engine using NLP and NLU, to classify documents.

AI based Question Answering Engine

- Design & Develop a Question-and-Answer retrieval platform using state of the art Transformer models.

Mar, 2020

Mar, 2019 Big Data Analyst TCS, Mumbai



- Setting up the Big Data Infrastructure, Migrating Data from RDBMS to Hadoop Infra.
- Worked on transactional data analysis using PySpark and generating reports as per the requirement of client.

Dec, 2016

Mentoring Experience

I have apt experience in mentoring students, early as well as mid age professionals to guide in making transition to AI & Data Science domain.

My Areas of Expertise and teaching lies in Classic Machine learning, Deep Learning involving right from CNNs, RNNs and Transformer architecture and working.

I have both working as well as academic level understanding of know-how of NLP and try to explain concepts in an easy-to-understand manner to students.

Education

2019 – 2020 MS Data Science, Aegis School of Business, Mumbai - (Marks: 78.26%)

2012 – 2016 B.E. Electrical & Electronics Engineering, Indore - (CGPA: 8.43/10)