

Niraj Pankdar

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Experience

Data Scientist

Jul. 2018 - Jul. 2020

Riverus Technology Solutions Pvt. Ltd., Pune, India

2 years

- Used state-of-the-art Natural Language Processing (NLP) research for faster inference and improved results.
- Developed NLP models to extract key points and enable intelligent search on the Legal Corpus thus providing high-value analytics to the customers.
- Built tools to help break challenging text-based captchas using deep learning techniques - eventually saving 10 man-hours/week
- Built robust machine learning pipelines for faster throughput thus improving the execution time by a factor of 60.

Skills

Languages : Python, C/C++ , JavaScript, HTML/CSS,

Database : PostgreSQL, sqlite, Neo4j, MySQL,

Developer Tools : Jupyter Notebooks, PyTorch, Tensorflow, Git, Google Cloud Platform, Amazon AWS,

Certifications: Udacity Data Scientist Nanodegree, Udacity Full Stack Nanodegree

Personal Projects

Cartoonizer [\[Github\]](#) [\[Blog\]](#)

Aug. 2020

- Deployed a demo web-app that cartoonizes real-life images and videos using a GANs deep learning model.
- Hosted the web app using Google's docker container service called Cloud Run and leveraged the GPU service called Algorithmia for the inference process.
- Acquired more than 45,000 users and amassed over 100,000 uploads and received press coverage (TheNextWeb)

Recommendation Engine for IBM [\[Github\]](#)

Oct. 2019

- Built a recommendation engine to surface content relevant to user's interaction and social network.
- Used 3 types of engines - knowledge based, content based, and collaborative filtering.
- Learnt tactics for assessing the effectiveness of recommendation engines.

Sparkify [\[Github\]](#) [\[Blog\]](#)

Mar. 2019

- Predicted whether a customer is going to churn based on their in-app behavior.
- Performed batch-processing using Apache Spark on data from an imaginary streaming service.
- Engineered features and built a classifier to proactively raise an alarm if a customer is going to churn.

Education

Master of Science in Computer Science

California, USA

San Jose State University

Expected May 2022

- GPA: 4.0/4.0
- Courses: Topics in Machine Learning, Intro to Artificial Intelligence, Database System Principles, Advanced Topics in CS.

Bachelor of Engineering in Computer Science

Maharashtra, India

Savitribai Phule Pune University

May 2018

- GPA: First class with distinction
- Courses: Probability and Statistics, Algorithms and Data Structures, Data Mining.