

Akash Chauhan

Data Scientist

Fueled by the passion for understanding the nuances of cognitive functions and Data science. 3+ years of experience in data science roles. Highly competitive but a believer of collective growth. Have delivered in research as well as industrial environment. Ex Data Scientist at Straive. Currently creating products to help clients improve their GTM strategies as a Data Scientist at DemandBase.

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WORK EXPERIENCE

Data Scientist DemandBase

04/2021 - Present

Remote

Achievements/Tasks

- As the part of the dynamic D2Labs (DemandBase Data Labs) hustling to develop and improve the offerings like Premium Intent, Next Tech Purchase and Trending skills to help customers find their right audience.

Data Scientist Straive (formerly SPi Global)

06/2019 - 04/2021

Chennai

Achievements/Tasks with the NLP Team

- Created a suite for a legal use-case that included summarization and citation recognition using NER techniques.
- Created models to index medical research articles/papers against concepts. (Multi-label classification model with 60k+ labels).
- Created one summarization platform(after market research and comparison of most existing models like PEGASUS, ProphetNet, T5 etc) and a REST api for the same.
- Combined results of object detection models with rules and patterns to extract data from PDFs(Invoice/Debt notices).
- Extraction of Environmental, Social and Governance data from unstructured PDF docs(Annual/CSR reports of companies) with a question answering approach.

Data Science Intern Tata Consultancy Services

03/2019 - 05/2019

Noida

Life Sciences Division

- Planned and developed non-objective based market segmentation models for pharmaceutical market.

Institutional Research Intern SWAN Labs, IIT Kharagpur

05/2018 - 07/2018

Kharagpur

Under guidance of Prof. Sudip Misra

- Developed a novel learning framework for resource constrained IoT devices leveraging the edge of the network, working with two of the finest research scholars of Prof. Misra.

Contact : Prof. Sudip Misra - smisra.editor@gmail.com

EDUCATION

Integrated M.Sc. in Computer Science with specialization in Artificial Intelligence Central University of Rajasthan

07/2014 - 05/2019

5.44/6

SKILLS

Python

NLP

Deep Learning

EDA

Data Mining

AWS

SQL

GCP

Docker

PySpark

ACHIEVEMENTS

Gold medalist, Integrated M.Sc CS(AI)(2014-2019).

BLOGS AND PERSONAL PROJECTS

Generating abstractive summaries using Google Brain's PEGASUS (06/2020 - 06/2020) [↗](#)

- Since the feature to generate summary for a single piece of text was missing, this article shows a neat work-around to generate summaries using the available pre-trained model.

Training a custom NER model using Flair (06/2020 - 06/2020)

- A tutorial on how to create an NER model for custom entities using Flair. Right from data preparation to model evaluation.

Personalized Cancer Detection (02/2019 - 02/2019) [↗](#)

- Leveraging the NLP techniques, build models to successfully predict the class of cancer, given the 'Gene', 'Variation' and the corresponding text in the literature.

Stack Overflow tag predictor (01/2019 - 02/2019) [↗](#)

- Given the title and body of the question on stack overflow, predicting the possible tag(s).

CERTIFICATES

Microsoft AI Challenge India 2018 [↗](#)

Machine Learning [GIAN]

Big data analysis and mining in deep web repositories [GIAN]