

Akash Chauhan

Data Scientist

Fueled by the passion for understanding the nuances of cognitive functions and Data science. 2+ 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 (Formerly SPi Global). Currently working as a Data Scientist at InsideView, a DemandBase Company.

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WORK EXPERIENCE

Data Scientist InsideView

04/2021 - Present

Hyderabad

Achievements/Tasks

- Created multiple offerings for the Account based marketing product like the trending skills and the premium intent.

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

Docker

Flask

AWS

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).

Quora question pair similarity (12/2018 - 01/2019)

- It makes sense of quora to combine two questions if they somehow are asking the same thing. This project automates this process.

CERTIFICATES

Microsoft AI Challenge India 2018

Machine Learning [GIAN]

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