




# Akash Chauhan


Data Scientist


Fueled by the passion for understanding the nuances of cognitive functions and Data science. Highly competitive but a believer of collective growth. Have delivered in extreme work environment, fourteen hours a day seven days a week at SWAN Labs, IIT Kharagpur. Currently working as a data scientist at SPi Global.

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## WORK EXPERIENCE

### Data Scientist SPi Global

06/2019 – Present

Chennai

*Achievements/Tasks*

- Development and maintenance of multiple language assessment tools for clients (publishers) driven by various NLP techniques.
- In process of developing a suite for summarization of trial court judgement documents and identifying the co-referenced citations and there types, achieved majorly by training custom named entity recognition models.
- In process of building a recommendation engine for personalized weekly email alerts to subscribers of American Psychological Association. The incoming documents are first indexed and then recommended to the users.

### 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.
- Leveraged analytical skills to come up with interesting and necessary insights from health related data from various sources, converted to OMOP common data model.

### Institutional Research Intern SWAN Labs, IIT Kharagpur

05/2018 – 07/2018

Kharagpur

*Under guidance of Prof. Sudip Misra*

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

Contact: Prof. Sudip Misra – [smisra.editor@gmail.com](mailto:smisra.editor@gmail.com)

## EDUCATION

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

07/2014 – 05/2019

5.43/6

### XII St. Anselm's School

04/2013 – 03/2014

86.8%

## SKILLS

Python

Machine Learning techniques

NLP

Deep Learning

Exploratory Data Analysis

Data Mining

Docker

## PERSONAL PROJECTS

### 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.

### Sentiment analysis on Amazon fine food reviews. (09/2018 – 01/2019)

- Given a review text, judging it's polarity.
- Drawn comparisons to algorithms like, naive bayes, logistic regression, SVM, decision trees, random forest and GBDT.
- Made use of RNNs so that the sequence of inputs comes it play.

### Recommender system and human activity recognition using Extreme Learning Machines. (08/2018 – 11/2018)

- In theory ELMs are said to be hundred if not thousand times faster than conventional neural networks.
- Applied ELM's to build a simple recommender system and to detect human activity with processed signals from accelerometer and gyroscope.

## ACHIEVEMENTS

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

Microsoft AI Challenge India 2018. 