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*

Language assessment.

- Developement and maintenance of multiple language assessment tools for clients (publishers) driven by various NLP techniques.
- In process of developing techniques for summarization of trial court judgement documents.

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

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%*

X
St. Anselm's School

04/2011 – 03/2012 *8.2/10*

SKILLS

Python | Machine Learning techniques | NLP | Deep Learning | Exploratory Data Analysis | Data Mining

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

Microsoft AI Challenge India 2018.

Consistently been in the top 2 of the batch integrated M.Sc CS(AI)(2014-2019).