

# Sahil Kumar

**Data Scientist** 

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Data Scientist with experience executing data-driven solutions to increase efficiency and solving challenging business problems. Highly Skilled in Python, Deep Learning, Computer Vision and deploying Data Science Solutions.

## **WORK EXPERIENCE**

## Data Scientist

iGnite Labs, Tata Consultancy Services

06/2015 - Present

Learning and Development Hub in TCS

- Achievements/Tasks
- Excellence Awards for a successful demo to CM of Uttarakhand, India
- Trained a team of 24 employees on Deep Learning
- Presented ML products to ex-CEO and COO of TCS

## **PROJECTS**

## Financial Spreading Automation (07/2018 - Present)

- Extracted data from a large collection of financial statements (PDF format) and built a Text Classifier using tf-idf and SVM in python to map extracted data for a large UK client
- Savings of time and cost associated with the process

## Hamlet Detection (07/2017 - 05/2018)

- Built a deep learning based platform to detect and count the hamlets(small human settlement) in the satellite imagery using YOLOv2 in python
- An Intelligent way of data acquisition and verification of census data for the Indian Government

## Intelligent Nutrition App (07/2016 - 09/2017)

 Created an AI-based application that provides the nutritional content of the food images by classifying the images using transfer learning on Inception V3 with tensorflow and deployed using tensorflow-serving to serve trained model

#### GenBot (08/2015 - 03/2016)

 A generic web-based platform to build multi-lingual chat bots using AIML(Artificial Intelligence Mark-up language) which also gives plugin to incorporate the bot in other apps

#### Digital District Gazette (07/2015 - 02/2016)

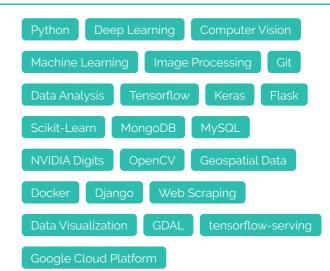
 A data-visualization portal that visually represents demographic details, Socio-Economic, Education, Skills, Agriculture, Religions in India at state, district, town and village level. Data collection was done by scraping, parsing Google earth data, OSM, Census and from various other Government sources.

## **EDUCATION**

Master of Computer Applications
Sastra University, Thanjavur

**Bachelor of Science** University of Delhi, New Delhi

# **SKILLS**



## CERTIFICATES

Sequence Models (04/2019)

Coursera

Convolutional Neural Networks (03/2019)

Coursera

Structuring Machine Learning Projects (11/2018)

Coursera

Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization (09/2018)

Coursera

Neural Networks and Deep Learning (04/2018)

Coursera

Fundamentals of Deep Learning for Computer Vision (02/2019)

NVIDIA Deep Learning Institute

Google Cloud Platform Big Data and Machine Learning Fundamentals (02/2018)

Coursera

Google Cloud Platform Fundamentals: Core Infrastructure (02/2018)

Coursera

Machine Learning (09/2017)

Coursera

## **LANGUAGES**

English

Professional Working Proficiency Hind

Full Professional Proficiency