



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

Python Deep Learning Computer Vision
Machine Learning Image Processing Git
Data Analysis Tensorflow Keras Flask
Scikit-Learn MongoDB MySQL
NVIDIA Digits OpenCV Geospatial Data
Docker Django Web Scraping
Data Visualization GDAL tensorflow-serving
Google Cloud Platform

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

Hindi
Full Professional Proficiency