

Nirant Kasliwal

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SKILLS

PROGRAMMING

Comfortable:

Python • R

Advanced Learner:

Jupyter Notebooks • PyTorch • Numpy

• Flask • Scikit Learn • Git

Familiar:

C • C++ • TensorFlow • Django • Java •

Julia • Shell • \LaTeX

EDUCATION

BITS PILANI

M.Sc. (TECH.) INFORMATION
SYSTEMS

2012 - 2016 | Pilani, Rajasthan

Cum. GPA: 8.1/10

LINKS

Github: [nirantk](#)

LinkedIn: [nirant](#)

COURSES

MOOCS

Analytics Edge | MITx

Introduction to Algorithms, Stanford |

Coursera

Deep Learning Foundations | Udacity

BITS PILANI

Machine Learning

Pattern Recognition

Software Engineering

Data Mining

Advanced Data Mining (audited)

OUTSIDE WORK

AWESOME NLP

4000+ STARS

RECOGNISED BY GITHUB.COM AS A
TRUSTWORTHY SOURCE

• Maintainer since Jan 2018, grew
stars from 2k to 4k+

• Did major revisions on classification,
summarization tasks

• Led inclusion of language specific
tools and datasets

• URL: github.com/keon/awesome-nlp

EXPERIENCE

SOROCO | SOFTWARE ENGINEER

October 2017 – Present | Bengaluru

- Contributions to text classification and OCR challenges

SAMSUNG RESEARCH & DEVELOPMENT | SOFTWARE ENGINEER (RESEARCH)

August 2016 – September 2017 | Bengaluru

- Prototyped algorithms using R which leverage and assess driver behaviour with reference to safety, deployed in C
- Sub-components: Event detection and classification algorithms running on Internet enabled IoT device inside car

BELONG.CO | DATA SCIENCE INTERN

July 2015 – Dec 2015 | Bengaluru

- Designed, built and deployed a machine learning product in Python to predict whether a person is willing to change job to a particular organisation
- Built using the Python-Anaconda distribution (scikit learn, numpy stack), deployed using Flask (MVC Web Framework) and SQLAlchemy (ORM)
- Improved the model prediction accuracy by 22% and precision by 25% by moving to Random Forest classification and adding more features, scaled by 10X to 1M records

PUBLICATION

Published in Machine Intelligence and Signal Processing by Springer

Improved the accuracy of character recognition in natural scene images on the standard Chars74k dataset

- Proposed a classification technique achieving 72% accuracy (state-of-the-art in 2013) for classifying characters
- Built a basic image processing operations and ensemble machine learning pipeline

PROJECTS

FALL DETECTION DEPTH SENSING FOR ACCIDENT RESPONSE |

MICROSOFT KINECT | MARCH 2014

- Built a PoC for an IoT system which can detect if a human fall for use in elderly care, hospitals based on Philips Lifeline
- Built using Microsoft Kinect SDK for human detection, joint detection change measurement, and depth sensing
- Won the APOGEE Innovation Challenge by Schneider Electric

AIR CANVAS GESTURE, VOICE RECOGNITION FOR AUTISTIC CHILDREN |

MICROSOFT KINECT | APRIL 2014

- Built a gesture and speech command controlled app using Kinect for kids which allowed them to draw and paint on screen using their hands
- Stood 2nd from over 24 finished projects at Microsoft code.fun.do hackathon