

Nirant Kasliwal

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SKILLS

PROGRAMMING

Proficient:

Python • C++11 (STL)

Advanced Learner:

C • Git • Scikit-Learn • Jupyter

Notebooks • Flask & Django •

SQLAlchemy

Familiar:

Julia • NoSQL (MongoDB) • SQL

(MySQL, Postgres) • Javascript • Shell •

Markdown • \LaTeX • Java

EDUCATION

BITS PILANI

MSC. (TECH.) INFORMATION
SYSTEMS

2012 - 2016 | Pilani, RJ

Cum. GPA: 7.81/10

LINKS

Github:// [nirantk](#)

LinkedIn:// [nirant](#)

COURSES

BITS PILANI

Machine Learning

Pattern Recognition

Data Structures & Algorithms

Software Engineering

Software Testing

Database Systems

Computer Graphics

Object Oriented Programming & Design

MOOC

Analytics Edge | MITx

Introduction to Algorithms, Stanford |

Coursera

Data Scientist's Toolbox, John Hopkins |

Coursera

Introduction to Computer Science and

Programming, MITx | edX

HOBBY PROJECTS

GEOGRAPHIC TWITTER SENTIMENTAL ANALYSIS

| PYTHON, NAIVE BAYESIAN

July 2014

INTERNSHIP

BELONG.CO | MACHINE LEARNING

July 2015 – Dec 2015 | Bengaluru, KA

- Designed, built and deployed a predictive analytics product
- Improved accuracy by 22%
- Helped scale from 0.1M records to 1M records by improving data ingestion speeds by 20%
- Familiarized teammates with tree based classifiers

BHASKARACHARYA INSTITUTE OF SPACE APPLICATIONS AND GEOINFORMATICS | GEOINFORMATICS

May 2014 – Aug 2014 | Gandhinagar, GJ

- Potentially saved 400 man hours per month by automating geo-referencing and image registration of satellite image
- Integrated with FOSS alternative Quantum GIS to enable ease of distribution

PUBLICATION

CHARACTER RECOGNITION Published in Machine Intelligence and Signal Processing by Springer

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

- Invited for oral presentation at IEEE SPS and ASPIPA Workshop from 30 papers
- Improved upon the then existing state of the art classification accuracy

PROJECTS

TEXT SUMMARIZATION USING PROBABILISTIC SEMANTIC ANALYSIS | PYTHON - NUMPY, SCIPY

- Summarization using Important Sentence Extraction with importance score assigned using statistical measures.

AWARDS AND VOLUNTEERING

WINNER, APOGEE INNOVATION CHALLENGE | MARCH 2015

Built a prototype IoT device for fall detection in real time

- Judged by Engineering team from Schneider Electric, who also offered internship
- Built using the skeleton library in Microsoft Kinect

RUNNER'S UP, MICROSOFT CODE.FUN.DO | APRIL 2015

- Built a gesture and voice controlled painting for kids using Microsoft Kinect
- Contributed mainly in code design, graphic design and specifications. Teammate was a better C# developer.

2ND RUNNER'S UP, LOGO DESIGN COMPETITION | MARCH 2014

- Built a gesture and voice controlled painting for kids using Microsoft Kinect

GRAPHIC DESIGN & MARKETING LEAD | 2012 - 2015

- Volunteered at National Service Scheme