

Kumar Shubham

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[LINKEDIN](#)

EXPERIENCE

XEROX RESEARCH CENTER, INDIA

Data Analyst Intern

Bangalore, India

12/2015-1/2016

- Developed a multi class classifier to predict the time of diagnosis for 16 diseases.
- Model was developed over real world, time series data of vitals and labs collected from 6000 patients.

DATAWEAVE SOFTWARE

Data Systems & Engineering Intern

Bangalore, India

5/2015-8/2015

- Created machine learning based APIs to automatically categorize images of ecommerce apparels solely on the basis of image.
- Assisted in development of review based sentiment analysis of various ecommerce products.
- Crawled data from different entertainment websites using *REGEX* and *SCRAPY*.

INTERNATIONAL INSTITUTE OF INFORMATION TECHNOLOGY

Research Intern

Bangalore, India

5/2014-7/2014

- Created a model to do real time classification of different gestures in interview.
- Used kinect and openni APIs for processing of live streaming depth image.

RESEARCH PAPER

JOURNAL

- An efficient regularized K-nearest neighbor based weighted twin support vector regression. *(Knowledge based System)*
- A regularization on lagrangian twin support vector machine. *(International Journal of Machine Learning and cybernetics)*
- An efficient implicit regularized lagrangian twin support vector regression. *(Applied Intelligence)*
- Smooth twin support vector machines via unconstrained convex minimization. *(Filomat)*

CONFERENCE

- Gesture and posture recognition using a depth camera with applications in employment interview behavior analysis. *(Connect-2015, IEEE)*

TECHNICAL SKILL

LANGUAGE

Python, R, Matlab, C++, C.

DATABASE MANAGEMENT

NoSQL (MongoDB, Redis, ElasticSearch), SQL, SQLite.

OPEN SOURCE LIBRARY

OpenCV, NLTK, Scikit, Scrapy, Parallel.

OTHER

Regular Expression, HTML, CSS, Flask, Jinja, Apache-Spark, Hadoop.

OPEN SOURCE CONTRIBUTION	DeepDetect <ul style="list-style-type: none"> • Adding Tensorflow platform to the existing deepdetect architecture. • Making platform compatible with all the newer version of python.
HONORS AND AWARD	XEROX RESEARCH INNOVATION CHALLENGE 2015 Secured second position among 3000 team in a nation wide competition organized by XRCI. Competition aims to develop a machine learning model to predict the mortality of a person in ICU on the basis of the time series data (Vitals and Labs). JAIPUR HACKATHON, 2015 Won the first edition of jaipur hackathon. In a span of 24 hours, my team developed a 2D game which can be controlled by different body posture and gestures performed in front of kinect.
PROJECT	PAYTM: Machine Learning Challenge Project aims to rate 20,000 merchant of Paytm on the basis of their transaction, profit and cancel data. <i>TOOL USED: PANDAS, SCIKIT-LEARN, MULTIPROCESSING</i> KYRS(Search Engine) (BTP PROJECT) KYRS is a cloud based searching platform to provide search engine type functionality to personal data and personal images using various machine learning algorithm. <i>TOOL USED: APACHE SPARK, HADOOP, ELASTICSEARCH, PYTHON (FLASK, NLTK, THEANO)</i> SIGN LANGUAGE CONVERTER Texas Innovation Challenge. 2015 Sign language converter is a small portable device capable of converting live sign language gestures of speech impaired person into speech format using normal web camera. Project has been listed in top 80 innovation across India in a national level competition organized by Texas Instruments. <i>TOOL USED: C++(OPENCV), BEAGLEBONE(ARM PROCESSOR)</i> CREATED LENET MODEL FOR MNIST DIGIT CLASSIFICATION Classified various hand written MNIST digit dataset using CNN model (Deep Learning). <i>TOOL USED: PYTHON(THEANO,SCIKIT).</i> CRAWLING AND SUMMARIZATION OF NEWS Crawled live news feed from different site and summarized big paragraphs into few important sentences using NLP and crawling toolkit. <i>TOOL USED: PYTHON (NLTK, SCRAPY)</i>
EDUCATION	THE LNM INSTITUTE OF INFORMATION TECHNOLOGY, JAIPUR, RAJASTHAN Electronics and communication, 2012-2016 CGPA 7.70/10.00
OTHER COURSES	Machine Learning (Coursera)