

Nithin Kumar KV

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SKILLS	Strong knowledge in Data structures, Algorithm design and Algorithm analysis <i>Project skills:</i> Developing in Python,Ruby;Development on Machine learning algorithms, Classifiers and NLP systems;Elastic Search;Using Ruby, Rails, Python, JavaScript, JQuery and HTML for front end development; <i>Languages and Technologies:</i> Skilled in Ruby, Python, Rails, SQL, JavaScript
EXPERIENCE	Practo Technologies ,Bangalore, India <i>Software Engineer</i> November 2015 – Present 1) Built Secure System to Store and retrieve Patients sensitive information 2) Integration system : Built Scalable Integration system, which will constantly communicate with different Hospital Information Systems. 3) Predicting Consultation Time of patient(Pet Project) : Developed Machine learning system which can predict the Consultation time of patient using historical data within an accuracy of 12 minutes. Qikwell Technologies Pvt Ltd, Bangalore,India <i>Software Development Engineer</i> March 2014 –November 2015 1) Qikwell Analytic Dashboard : Reporting system which is used to aggregate and show Qikwell's appointment data. 2) Qikwell Integrate : System which will communicate with other Hospital Information System. 3) Qikwell Secure : System that provide security to patient information. 4) Improved the conversion rate of wait listed patients, by incorporating the Naive Bayes algorithm. 5) Implemented a Redis cache framework for storing data that improved overall system scalability.
EDUCATION	Govt. College of Engineering, Kannur , Kannur University, Kannur, Kerala, India B-Tech in Computer Science and Engineering(70.06%) September 2009 – June 2013 Higher Secondary , Madayi GBHSS, Kannur, Kerala, India (86.15%) June 2006 – March 2007 SSLC , Kunhimangalam GHSS, Kannur, Kerala, India (87.5%) June 2005 – March 2006
ACADEMIC PROJECT	Phrase Based Statistical Machine Translation System for English to Malayalam and Malayalam to English This software will translate English language to Malayalam and Malayalam to English. The system is programmed to learn linguistic rules for translation from the large parallel corpus.The software perform the translation using these linguistic rules. Duration: 12 Months Language: Python, Java Tools used: SRILM, Giza++, Swing
INDEPENDENT PROJECTS	Sentiment Analysis on Movie Reviews This work involve a way of predicting the sentiment of users review on movies. Used a probabilistic way of solving problem using Multinomial Naive Bayes Algorithm. <i>Python</i> Key phrase Extractor Designed and implemented a Machine Learning algorithm to extract key phrases from documents. <i>Python</i> https://github.com/nithin-kumar/keyphrase_extractor

Web search engine

Designed and implemented a mini Web search engine. It uses Google's Pagerank algorithm to rank the pages. *Python*

OPEN COURSE
WARE
CERTIFICATIONS
AND WORKSHOPS

- 1) *Computational Linguistics and Machine Translation (CLMT-2012) from English to Indian Languages*, supported by TCS, CIIL-Mysore, DIT, MHRD and CDAC- Pune.
- 2) *CS101: Building a Search Engine* : Certificate of accomplishment from **UDACITY**
- 3) *CS253: Web application engineering, How to build a blog*: Certificate of accomplishment from **UDACITY**
- 4) *Machine learning by Andrew Ng* : Coursera
- 5) *Design and Analysis of Algorithm 1 by Tim Roughgarden* : Coursera
- 6) *Design and Analysis of Algorithm 2 by Tim Roughgarden*: Coursera
- 7) *Introduction to Algorithm*: MIT Open Courseware