Rahul Kumar

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EDUCATION

SHARDA UNIVERSITY
B.Tech in Computer Science
Graduated | May 2014 | Gr.Noida, U.P.
Computer Science & Engineering
Cum. GPA: 7.7 / 10.0

DELHI PUBLIC SCHOOL
UnderGrad. May 2010
Vindhyanagar, India

SKILLS

PROGRAMMING
Over 5000 lines:
Python2.7 • C++ • Matlab
Over 1000 lines:
Java • HTML5 • Objective-C
Familiar:
Android • TensorFlow • Git

LINKS

Github:// goodrahstar
Academia:// RahulKumar
LinkedIn:// goodrahstar
Twitter:// @genius_rahul
Skype:// @genius_rahul1

COURSEWORK

GRADUATION
Human Computer Interaction
Artificial Intelligence
Machine Learning
Mobile Computing
Networking
Compilers

ONLINE
Machine Learning by Andrew Ng
Learning How to Learn: Powerful mental tools to help you master tough subjects.

HOBBIES

Traveling • Listening to Music • Exploring

EXPERIENCE

ACCENTURE (R&D), INDIA | Software Engineer
Oct 2014 – Present | Bengaluru, Karnataka

Being part of Accenture's R&D group, I explore and implement machine learning algorithms for various use cases - NLP, Feature extraction, Classification, Predictive model, etc. I have also exploited biometric traits and algorithms to deliver value through effective human identity recognition.
My current areas of R&D focus include NLP, speech to text conversion and deeplearning.

VIDYA KNOWLEDGE PARK | Software Engineering Intern
May 2013 – July 2013 | Meerut, U.P.

Worked on Biometrics Recognition System in Matlab, using Human Footprints as biometric trait. I have developed the algorithm for feature extraction module using radon transformation with the accuracy rate of 98.2%. Achieved reduction in recognition time of 13 ms by optimizing the pre-processing module.

PUBLICATION

Rohit Khokher, R.C. Singh, Rahul Kumar | Palmprint Recognition Using Geometrical and Texture Properties | 2nd International Conference on Research in Science, Engineering and Technology (ICRSET '14), DUBAI (UAE), pp: 54-58, ISBN: 978-93-82242-81-9,
http://dx.doi.org/10.15242/IIE.E0314582.

PROJECT(S)

N-D CLASSIFIER
April 2016 – Present
- Developed and packaged multi-class classifier using Tensorflow.
- Implemented CNN for feature engineering with 97.2% of accuracy.
- Used for sentiment analysis and class predictions use cases.

ALEXBOT
April 2016 – May 2016
- Integrated Amazon Alexa with RaspberryPi and developed a s/w button to automate the voice command process.

Q/A ENGINE
November 2015 – April 2016
- Developed NLP components using sklearn, NLTK and Stanford Parser, which is used in the Q/A service engine to convert any statement into question form and further help to predict relevant solutions for the same using TFIDF and K-means clustering algorithm.

MULTIMODAL BIOMETRIC SECURITY SYSTEM
[Late Prof. Pervez Ahmed, CSE, Sharda University]
August 2013 – June 2014
- Developed the backend module for Footprint recognition using Radon Transformation in Matlab.
- Optimized the processing speed of Palmprint recognition module using specific morphological patterns greater than 10 m/s.
- Achieved the accuracy rate of 98.2% after integrating both the biometric traits.