

RAHUL KAPOOR

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EDUCATION

M.S. Computer Science (Data Science)	2016-current	University of Southern California	-
M.Sc.(Tech.) Information Systems	2010-2014	B.I.T.S. Pilani, Pilani Campus	9.33/10 (9.46 Core GPA)

WORK EXPERIENCE

PayPal, Bangalore, India

Software Engineer 2

Apr 2016-Jul 2016

- Developed REST APIs using Spring Framework, Oracle DB for creating next generation platform for preapproved payments which currently serves 3 million transactions daily
- Awarded Top Hacker Q2 2016 Bangalore Excellence Awards for contributions to PayPalBot [a chat bot] innovations project

Software Engineer 1

Jul 2014-Mar 2016

- Implemented Hadoop based tools to stabilize and scale the data transfer mechanism for pooling in more data (~40GB per hour) from the data centers to Hadoop cluster for analysis
- Improved efficiency of structuring the data in Hive tables to make it queriable, used Apache Pig, Hive, Spark scripts to generate error, conversion, distribution and other insights from the data

Indian Institute of Technology(IIT) Bombay, India

Summer Research Fellow

May 2013-Jul 2013

- Reduced the number of packets of data sent across while handling a haptics device by implementing classifiers in C++ based on Weber's law, level crossings and linear regression that used suitable features of the haptic signals to predict whether a particular signal will be perceived

Indian Institute of Remote Sensing(IIRS), Indian Space Research Organization(ISRO), India

Summer Intern

May 2012-Jul 2012

- Detected changes in land use patterns and identified locations of vegetation degradation by a time series analysis of NDVI values using EOF and PCA using R-Language

ACADEMIC PROJECTS

TripsOnAir

Apr 2014-Nov 2015

- NodeJS AngularJS website for intelligent automated trip planning using models over data crawled from travel websites

Designing a Clustering-Aware R-Tree

Aug 2013-Dec 2013

- Worked on reducing the complexity of cluster specific queries without affecting the complexity of functions of R-Trees

Designing a Framework for Opinion Mining

Aug 2013-Dec 2013

- A project funded by Department of Science and Technology (DST), Government of India
- A generic framework was designed in JAVA with features ranging from handling noisy data to bootstrapping the classifier and providing a summarized view of opinions

Verbalizor

Dec 2011-Mar 2012

- MATLAB application with 70% accuracy for interpreting the gestures of the voiceless

PUBLICATIONS

- Study of the effect of a rule based classifier modeled anti-corruption body in a neural network based environment. In Proceedings of the 6th ACM India Computing Convention (Compute '13). ACM, New York, NY, USA, , Article 22

POSITIONS OF RESPONSIBILITY

- Coordinator, National Service Scheme**, BITS Pilani: Coordinated scholarship program for needy Pilani school students
- Project Joint Coordinator, Information Systems Association**, BITS Pilani: Managed projects for APOGEE, 2013