

RIDDHI REX

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EDUCATION

STONY BROOK UNIVERSITY

MS IN COMPUTER SCIENCE
Expected Grad: Dec 2018

SYMBIOSIS CENTER FOR DISTANCE LEARNING

POST GRADUATE DIPLOMA IN
IT MANAGEMENT
Grad: May 2016
Percentage: 81.2%

THIAGARAJAR COLLEGE OF ENGINEERING

BACHELOR OF ENGINEERING
Computer Science and
Engineering
Grad: May 2014
Percentage: 90.4%

COURSEWORK

GRADUATE

Analysis of Algorithms
Artificial Intelligence
Data Science Fundamental
Wireless and Mobile Networks

UNDERGRADUATE

Data Structures and Algorithms
Computer Networks
Object Oriented Programming
Web Technologies
Operating Systems

SKILLS

PROGRAMMING

Python • C • C++ • Java

STORAGE SYSTEMS

SQL Server • MySQL
Oracle • DB2

TOOLS

JIRA • Bugzilla • Wireshark
Eclipse • Netbeans • Ixia •
Multi • NS3 • PyCharm

INTERESTS

Playing Piano • Playing Table
Tennis • Classical dancer

EXPERIENCE

ARICENT | SENIOR SOFTWARE ENGINEER

July 2014 – July 2017 | Chennai, India

Worked predominantly in Datacom domain. Involved in the development of feature enhancements, new functionality and fixing existing issues in the system for HP Procurve switches in Linux platform. It included requirement analysis, designing, coding, unit testing, debugging, documentation and implementation.

ARICENT | TRAINEE

Dec 2013 – June 2014 | Chennai, India

Automated the testing of ELPS protocol over MPLS network with packet capture functionality.

INDIAN INSTITUTE OF TECHNOLOG | RESEARCH INTERN

May 2013 – July 2013 | Hyderabad, India

The handover methods using S1 interface and X2 interface was simulated and the signaling overhead was found in each case. Created network topologies and observed the criteria for handover and proposed an efficient handover decision algorithm for reducing handover. Analyzed the number of handovers in the existing mechanism and the novel algorithm proposed.

PROJECTS

ENERGY EFFICIENT INTER FEMTOCELL HANDOVER IN LTE | IIT

May 2013 – July 2013

An efficient SON handover scheme was proposed to mitigate the unnecessary handovers. The proposed approach uses building information and estimated UE position for making handover decision. Simulation results showed that our proposed approach achieves 31.5% improvement in reducing handover delay compared to existing HO scheme. This work was supported by the Deity, Govt of India.

IMPROVING QOS IN MIPV6 NETWORK | TCE

July 2012 – November 2012

This project was targeted at improving the QoS in MIPv6 network. The behavior of binding cache of nodes and effects on QoS were studied and a method for reducing the packet loss by efficient distribution of load among the nodes was proposed.

TOPIC MODELLING | HONEYWELL TECHNOLOGY

Jan 2011 – May 2011

This Text Analytics project evaluates the article given as input by scanning the text corpus. By estimating the topic word distribution, the topic or the domain of the document is found. Instead of topic based search, content based search mechanism was adopted. It aims at improving the search engine efficiency. This project was sponsored by Honeywell Technology Solutions under HTS University Relations.

PAPERS PRESENTED

- Published a paper on Efficient SON Handover Scheme for Femtocell Networks at IEEE International Conference on Advanced Networking and Telecommunication Systems (ANTS) 2013.
- Received The Best Paper Award for presenting a paper on Intelligent Transportation System using Mobile Sensor Networks in Kurushektra 13', a National level symposium conducted by Anna University, Chennai.
- Presented a paper on Home Agent load balancing in MIPv6 networks in National Conference on Communication and Engineering (NICE 12).