ANIRUDDHA KURTKOTI

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Work Experience

- Currently working as Assistant Professor at Department of Computer, A. D. Patel Institute of Technology, since June 2009. **(10 years).**

- Senior Design Engineer, TATA Elxsi & IBM India Software Labs(**One Year**)

- One year of Research Assistant at Institute of Technology, Nirma University

Education

M.Tech - Computer Science and Engineering
Nirma University, July 2006- July 2008
CGPA 7.45/10, was first in two of the four semesters, overall ranking third.

B.E Information Technology
Sardar Patel University, July 2002-May 2006
CPI-7.71/10, Technical CPI-8.45/10, overall ranking in Class fifth.

Graduate Aptitude Test for Engineers (GATE)
Subject: Information Technology, **Percentile: 98**

Skills

Languages: JAVA, JSP, C, MPI-C, Handel C, Keil C#, C++, SQL, HTML, Ruby on Rails, Python, Curl, Node JS, Angular JS.

Operation System: Windows, Linux, RT-LINUX, Fedora Servers, Ubuntu Servers, CentOS, Minix, Unix, Micro-kernels, Exo-kernels Macintosh.

Tools: TinyOS, NetBeans, Oracle 9i and 10i, Celoxica, Keil Compilers, Pinnacle 8051, SystemSim, Rational Rose.

Major Projects

- **Cloud Computing Project**   [June 2012 – Ongoing]
  - Received a Grant of **Rs. 22, 00,000.**
  - Implementation Basic Infrastructure
  - IAAS, PAAS and SAAS Model Prototype
  - Prototype implementation for Engineering Colleges

- **College Record Management System (ADIT RMS)** [June 2015 – Ongoing]
  - Maintenance of ADIT's Records.

- Analysis Report Generation
- Graphical Representation of the Reports

▪ **Cloud Backup system for TALLY**   [June 2014 – June 2015]
  - One-line and Offline Backup System for ADIT's Account Section.
  - Regular and Timely Backup and Restore Mechanism.

▪ **Implementation of Physical and MAC layers for Wireless Sensor Networks**   [Sept 2007- Apr 2008]

  - Development of Low Cost Sensor Node
  - Development of MAC Layer Algorithm
  - Development of Tool Kit for Simulation and Node installation

▪ **Performance analysis of Haar Wavelet Transform in Cell Multi core Processors**   [June 2007-Sept-2007]

  - Study of the architecture of Cell processor and SystemSim (IBM's Simulator)
  - Development of HAAR Wavelet Transform Algorithm for cell processors
  - Analysis of the result obtained by the results

▪ **Development of Dynamic Data Distribution Algorithm for Matrix Multiplication in Clusters**   [Jan 2007-May 2007]

  - Cluster Installation.
  - Development of dynamic data distribution algorithm for Matrix Multiplication in MPI-C
  - Performance and Complexity analysis of these algorithms

▪ **Reliable Data Transfer Protocol using Enhanced Encrypted Algorithm through Bluetooth**   [Jan 2007-May 2007]

  - Study of the Bluetooth Architecture and JAVA APIs
  - Development of Encryption and Decryption protocol
  - Implementation of this protocol on Simulation kit

▪ **High Speed Multithreaded Crawler with Enhanced Features like Key Parameter Searching and Page Ranking**   [Jan 2006-Dec 2006]

  - Development of algorithm for Page Ranking
  - Development of the Crawler, Front end and back end
  - Analysis of the Working of the WebCrawler.

Major Projects [B.E]

▪ **General Purpose Simulator for Engineers, with Graphical Interface**
                [Jan 2006-May 2006]
  Language: JAVA.

▪ **Online Share Trading System for Purchasing and Selling of Shares.**
                [Jan 2006-May 2006]
  Language: JSP, JAVA
  Database: Oracle.

Publications

- Aniruddha Kurtkoti at el "***Analysis of Transit Method for Exosolar Planet Detection in Clustered Environment***" at International Journal of Computer Science Trends and Technology Vol 2, 2014

- Aniruddh Kurtkoti and Tarun Saluja "***Survey of DDOS Attack in Cloud Computing Environment***" at International Journal of Computer Science Trends and Technology, 2013.

- Aniruddh Kurtkoti and Sunit Parmar "**An Approach to graphics passthrough in cloud Virtual Machines**" at International Journal of Computer Science and Technology 2013.

- Aniruddha Kurtkoti and Bhavik Patel "***Evaluation Metrics of MAC Layer in Wireless Sensor Network***" at **IEEE** International Conference on Emerging Trends in Engineering and Technology (**ICETET**), Nagpur, India 2008

- Aniruddha Kurtkoti and Bhavik Patel "***New Address Back Off Algorithm for Channel Acquisition in Wireless Sensor Network***" at Advancement in Wireless Technologies and Application (**AWTA**) at **National Institute of Technology**(**NIT**)**,** Surat, India 2008.

- Aniruddha Kurtkoti and Bhavik Patel "***Energy Efficient Routing Strategy for Wireless Sensor Networks***" at **NUCONE 08 National Conference held at Nirma University 2008**.

- Aniruddha Kurtkoti "***Analysis of different Wireless Network's MAC Layer Protocols***" at **NSDC-06 National conference by Indian Society of Technical Education** (**ISTE**) at A. D. Patel Institute of Technology, Sardar Patel University, Anand (Gujarat, India).

Seminars

- Expert talk on **CLOUD COMPUTING** at MBICT Engineering College, new Vallabh Vidyanagar in 2015.

- Presented a Seminar on **CLOUD COMPUTING, a new Era in the field of Computers** at LDRP, Gandhinagar in 2013.

- Expert lecture delivered at **STTP** at Sardar Vallabhbhai Patel National Institute of Technology in 2010.

- Presented a Seminar on **XBOX architecture**, advantages and disadvantages on ADVANCED DEVELOPMENTS held at Nirma University

- Presented a Seminar on **Wi-Fi: Protocols**, Performance and installation at a workshop on WIRELELSS NETWORKS held at Nirma University

- Presented a Seminar on **ARP Spoofing** at workshop on DATA SECURITY held at Nirma University.

- Presented a Seminar on architecture of **Google Search Engine** at A.D.Patel Institute of Technology, Sardar Patel University.

- Presented a seminar on **Asynchronous Transfer Mode (ATM):** Architecture, advantages and disadvantages at A.D.Patel Institute of Technology, Sardar Patel University.

Achievements, Honors and Sports

- Awarded Best Innovative Teacher Award, by Gujarat Technological University GTU in 2019.

- Mentor to winners of Smart India Hackathon (SIH) -2017.

- Mentor to Start-up India Award Winners at IIM Ahmedabad.

- Developed Cloud Computing Laboratory at ADIT

- Cleared All India Level Graduate Aptitude Test for Engineers (**GATE**) with **98 percentile.**

- Represent **Nirma University** at **IEEE international conference**, in the field of **Wireless Sensor Network** (MAC Layer Specifications), held at Nagpur, India in the year of 2008.

- Active member of College's Cricket and Badminton Team.

- **Won fourth position** in State Level Badminton championship held in Visnagar (Gujarat, India) in the year 2000.

- **Represented Gujarat State** in State Level Swimming competition, held at Anand (Gujarat, India) in the year 1999.

References

References will be available on request.