

BHIMSINGH J. BOHARA

Mobile: +0231-0770482583

E-Mail: bj.bohara@gmail.com/ bhim.singh@bluecrestcollege.com

An enthusiastic & high energy driven professional aiming for challenging entry level assignments in Education Sector preferably IT industry with an organization of high repute.

PROFILE SNAPSHOT

- * A budding M.TECH. (CS&E) professional from Amity University, Jaipur
- * Worked on academic projects like Visitor Management System, Hostel Management System, Implementation of N-Queen's Algorithm and Route Stability in Manet Applying AODV
- * Keen interest in subjects like Web Development, Database and Operating Systems
- * Presented research papers on Analysis and Prevention of Effects of Gray Hole Attacks on Routing Protocols in Mobile Ad-hoc Networks, Ant Colony Based Time Investigation for Route- Discovery, Maintenance and QoS analysis of ACO Routing Algorithm in Manet using NS2 and Cloud Computing Security inside the Cloud at various International Conferences
- * Completed trainings in System Administration in RHEL 4 and asp.net
- * A creative & open-minded person with the ability to follow instructions and willingness to learn
- * Possess adaptable & flexible approach to work with good relationship building and communication skills

PROFESSIONAL EXPERIENCE

Bluecrest University College
Assistant Professor,
Feb 2016- Present

Arham Veeraytan Institute of Engineering
Lecturer,
Dec 2014- Jan 2016
Kutch-Gujarat

Provided instruction in the usage of computer components and system and Assisted with planning and execution of Tech-based Projects.

Evaluated Current Course Plans and sought approval for updates as necessary. I also developed detailed lesson plans for each class and implemented them.

Prepared assessment of student Performances and assigned grades to completed work

Consistently met tight deadlines developing entry level as well as advanced curricula on wide range of topics.

Subjects Handled:

- C-Programming, Operating System and Unix
- Software Engineering, HTML Fundamentals, Fundamentals of NET Programming
- Computer Networks
- Information Security, Distributed Systems

Veeraytan Institute
Computer Science Lecturer,
May 2014 - Nov 2014
Kutch,

Taught Computer Science and Mathematics to the Under Graduate Students of Computer Application (BCA)

Inspired the Students to learn and code new things and helped them overcome their problem

Subjects Handled:

- Computer Fundamentals and Data Processing, Programming in C, Introduction to HTML and Scripting
- Operating System and UNIX, Mathematical Foundation for Computer Science.

Academic QUALIFICATIONS

Sep 13: M.TECH. in Computer Science from Amity University, Jaipur

Dec '10: B.E. in Computer Science from I.E.T.E., Ahmedabad, University

Mar '05: XII from Adarsh Mahavidhyalaya, Gandhidham, Gujarat Secondary and Higher Secondary Education Board

Mar '02: X from S.K.R.M. School, Mandvi-Kutch, Gujarat Secondary Education Board

Academic Accolade:

Achieved distinction in 10th Standard

ACADEMIC PROJECTS

Title: Visitor Management System

Institute: I.E.T.E., Ahmedabad

Description: The project involved development of an Online System which maintained record of the visitors and generated ID cards for them.

Duration: 5 Weeks

Languages: asp.net & C#

Designation: Programmer

Database: SQL 2005

Team Size: 2 Members

Role: Developer

Took lead in the design aspect of the project as well as developed the code. Learned the components of UML diagram and relationships between classes.

Title: Hostel Management System

Institute: Amity University

Description: The project included development of a System which managed the records of students in a hostel. It kept a track of goods allocated to students and also managed Leave Applications for them.

Duration: 4 Weeks

Languages: asp.net & C#

Designation: Programmer

Database: SQL 2005

Team Size: 2 Members

Role: Developer

Helped in developing the system. Also tested and maintained the newly developed system.

Title: Implementation of N-Queen's Algorithm

Institute: Amity University

Description: The system was developed in JSP which decided the probable moves on $n \times n$ Chessboard where no single queen could kill the other queen and the no. of queens were n .

Duration: 4 Weeks

Languages: JSP

Designation: Programmer

Database: SQL 2005

Team Size: 1 Member

Role: Developer

- Analyzed, Developed and tested the code of the entire project.

Title: Route Stability in Manet Applying AODV

Institute: Amity University

Description: The system was developed in .Net which explained the working of Manet and dealt with the route discovery problem during node mobility. The route discovery and stability was according to AODV Routing Algorithm in Random Waypoint Mobility Model.

Duration: 4 Weeks

Language: asp.net

Designation: Programmer

Team Size: 1 Member

Role: Developer

- Developed code for the project as well as handled the testing of the project.

DISSERTATION

Title: Analysis and Prevention of Gray Hole Attacks on Routing Protocols in Manets

Institute: Amity University

Role:

Evaluated the degradation caused in the network due to malicious node through simulations on Network Simulator NS-2

Explained how modified AODV improved the performance of the protocol which was also shown through simulations and the results were compared through graphs

EXTRAMURAL ENGAGEMENT

Took part in "The Amity Green Horns Military Training Camp" at Panchgaon, Manesar

TRAININGS

Completed training on:

System Administration in RHEL 4 from Red Hat Training Partner Institute, Vadodara in 2006

Asp.net at Envision Knowledge Solutions Pvt. Ltd., Envision in 2010

IT SKILLS

Languages: HTML, XML, C, C++ & .Net Framework Supported by C#

Operating Systems: Windows XP/ 7/8/Vista & Linux

Web Technologies: asp.net with C#, JavaScript, CSS, JSP

Relational Databases: Oracle 8i/10g/11g, SQL & MS Access

PERSONAL DETAILS

Date of Birth: 21st March, 1986

Languages Known: English, Hindi, Nepali, Gujarati and French (Beginners level)

Address: C/o JyotiSingh Bohara, Shree Bidada Sarvodaya Trust, Eye Hospital, Mandvi, Bidada, Kutch-370435, and Gujarat

Note: Please refer annexure for Research Papers

Annexure

RESEARCH PAPERS

Analysis and Prevention of Effects of Gray Hole Attacks on Routing Protocols in Mobile Ad-hoc Networks

The research paper focused on the effects of Gray Hole Attacks on Routing Protocol (here AODV) and its impact on performance. After modification in AODV the impact on its performance was shown with the help of ns2 Simulator. The paper was presented in International Journal of Advanced Research in Computer & Communication Engineering (IJARCCE)

- Volume 2, Issue 7 in July' 13. ISSN No. - ISSN: 2278-1021

Ant Colony Based Time Investigation for Route- Discovery, Maintenance and QoS analysis of ACO Routing Algorithm in Manet using NS2

The research paper included proposal of a modified ACO Algorithm which had better route discovery and maintenance than current AODV Routing Algorithm. The analysis and comparison was done in Network Simulator NS2 and the respective graphs were also presented. The paper was presented in TIACCE International Conference held at Marudhar Engineering College, Bikaner in Apr'13. ISBN No. - ISBN: 81-89278-18-5

Cloud Computing Security inside the Cloud

The research paper explained various aspects of Cloud Computing. It described security threats related to Cloud Computing and few techniques were proposed to overcome these threats. The Paper was presented in TEICC International Conference held at Bikaner in Dec'12. ISBN No. - ISBN: 978-81-923777-0-4

A New Approach towards IOT by Using Health care-IOT and Food distribution IOT

The research paper explained various aspects of IOT. It describes efforts used in food distribution IOT and Healthcare IOT and the usage of WSN to improve the architecture as well as improvement in both systems. The Paper was submitted in IEEE-ICACCA International Conference held at Bareilly in Oct'16. ISBN No. - ISBN: 978-1-5090-3480-2