

# Curriculum Vitae: Gaurav S. Wagh

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## Education

- 2016 | Thakur College of Engineering and Technology, Mumbai, India.  
**Master of Engineering (M.E)** in Information Technology  
CGPI **8.92/10**
- 2014 | Atharva College of Engineering, Mumbai, India,  
**Bachelor of Engineering (B.E)** in Information Technology  
Percentage: **66.18%**
- 2010 | Bhavan's College Andheri- **HSC**, Mumbai, India.  
Percentage: **64.83%**
- 2008 | St. Xavier's High School- **SSC**, Mumbai, India.  
Percentage: **81.23%**

## Research Experience

- Aug 2013 | **Interdisciplinary Research** (Bachelor's Thesis) – Atharva College of Engineering, Mumbai, India  
*Supervisor: Prof. Ramindar Kaur, Atharva College.*  
**Title: NYMBLE: Denying Access To Misbehaving Users In Anonymizing Network**  
The project aimed at blocking misbehaving users by using their MAC address as the parameter. The project was implemented in 4 phases.  
First Phase: The Pseudonym manager and Nymble manager were implemented in Netbeans which used socket programming to fetch IP and MAC addresses.  
Second Phase: The SQL database was created which stored the IP and MAC addresses which were used for cross verification.  
Approached IDBPL a small enterprise to implement our project according to their requirements and test our project in real scenario.  
Third Phase: Apache Tomcat server was setup to run the Nymble Manager.  
Fourth Phase: Establishing a secured connection and performing various test cases.  
Implemented the entire project with a SLP published in MULTICON-W 2014 Conference
- Jul 2015 | Lecturer – Universal College of Engineering  
**Mentored two final year projects**
- Aug 2016 | **Independent Research** – Thakur College of Engineering and Technology, Mumbai, India  
*Supervisor: Dr. Rajesh Bansode, Thakur College of Engineering and Technology.*  
**Title: Design Analyze and Implement WSN Performance using Energy Balance Routing Protocol**  
Implement a Hierarchical routing protocol for wireless sensor network, thereby increasing the network lifetime. The project was implemented in 5 Phases.  
Phase 1: Initialization Phase the network was simulated in NS-2 where energy allocated to each node was random  
Phase 2: Root Node Selection Phase is proceeded by selection of a node with highest energy to the base station.  
Phase 3: Parent Selection Phase in which the remaining sensor nodes select a parent node which will send data to the root node  
Phase 4: Data Transmission Phase includes transmission of sensed data to the base station via parent followed by root.  
Phase 5: Information Exchange Phase is done in case the sensor dies due to energy constraint.

## Professional Experience

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Present	<b>Lecturer – Sai Tutorials Private Classes (Information Technology)</b> Teaching since July 2014
Jul 2015	<b>Lecturer – Universal College of Engineering</b> Selected as the youngest faculty in the college to conduct lectures and practical (Computer Networks, Data Mining Business Intelligence) for Third year and Final year Engineering students.
Jul 2014	<b>Lecturer – Sai Tutorial Private Classes (Information Technology)</b> Had a passion for teaching since early days of engineering college. Had an opportunity to teach School and College Grade students in Private Classes by simultaneously enrolling and pursuing Masters

## Publications

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Apr 2016	Design Analyze and Implement Wireless Sensor Network Performance (FLP) (Mentor) IRJET
Nov 2016	Design Analyze and Implement Wireless Sensor Network Performance (SLP) (Mentor) IJRTER Energy Efficient Protocol in Wireless Sensor Network (SLP) (Mentor) IJRTER
Sep 2016	Design Analyze and Implement Wireless Sensor Network Performance using Energy Balance Routing Protocol IIRST (Master's Thesis) (FLP)
Feb 2016	Performance Measurement of GSTEB Protocol Using NS-2 (Master's Thesis) (SLP) ELSEVIER
Feb 2014	Nymble:Denying Access to Misbehaving users in Anonymizing Network (Bachelor's Thesis) International Conference and Workshop on Advance Computing

## Campus Leadership

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Mar 2017	<b>Marketing Head</b> of IEEE at UCoE
Feb 2017	<b>Organized Industrial Visit</b> under CSI along with Marketing (IETE) and LAN head VYRO-2017
Jan 2017	Organized <b>Short Term Training Program (STTP)</b> and Sports Head representing IT Department
Dec 2016	<b>Industrial Visit Coordinator</b> for Final Year Students
Nov 2016	Represented IT Department in Robotics <b>e-yantra IIT</b>
Sept 2016	<b>Marketing Head</b> and <b>LAN Committee Head</b> for Junior VYRO-2016 event.
Aug 2016	Class Advisor in UCOE for academic year 2016-2017
Jun 2016	<b>Mentored</b> two final year projects
Feb 2016	Marketing Head and LAN Committee Head for VYRO-2015 event.
Jan 2016	<b>Sports Head Faculty</b> Representing IT Department in UCOE
Aug 2015	<b>Class Advisor</b> in UCOE college for the academic year 2015-2016
Dec 2014	Marketing Representative for MULTICON-W Conference2015
Aug 2014	<b>Class Representor</b> for Masters of Engineering Class IT
Jul 2005	<b>Assistant Troop Leader</b> in Road Safety Petrol for 3years in collaboration with <b>Mumbai Police</b>

## Technical Skills

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Languages	C++,Java,TCL
Tools	NS-2 and WEKA
Hardware	Integration of sensor data (ATMEGA FIREBIRD) Micro-controller (Arduino)

## Interests/Activities

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Committees	IEEE, CSI, IETE , e-yantra
Social	Voluntered in Art of Living and visited orphanage people at Shanti Ashram, Borivali