

# Ashutosh Kumar Gupta

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## CARRIER OBJECTIVE

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Seeking entry level assignment in Computer Science and Engineering with a reputed organization that will allow me to explore my abilities, skills and sense of dedication towards my duty with the aim of progress of organization.

## WORK EXPERIENCE

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<i>Muto Technologies</i> SUMMER 2016	Software Development Internship <i>Implemented Continuous Integration (CI) Server, it's different modules and also designed unit test suite for them.</i> <i>Designed CI server for Muto Technologies from scratch.</i> <i>Handled Database queries using golang and PostgreSQL.</i> <i>Implemented Push Notification Server for different platforms.</i> TECHNOLOGY STACK : Golang, Python, PostgreSQL, gin (HTTP web framework), gorilla(websocket framework). Organisation : <a href="https://github.com/mutohq">mutohq</a> Github : <a href="https://github.com/mutohq">https://github.com/mutohq</a>
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## EDUCATION

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JULY 2013 - MAY 2017	Bachelor of Technology in <b>Computer Science and Engineering</b> , <b>National Institute of Technology</b> , Hamirpur, Himachal Pradesh. CGPA: 8.21/10
MAY 2012	Class XII from <b>Anugrah Narayan College</b> , Patna, 800001, Bihar, India Bihar School Examination Board(BSEB) PERCENTAGE : 75.8
MAY 2010	Class X from <b>High School</b> , Itarhi, Buxar, 802123, Bihar, India Bihar School Examination Board(BSEB) PERCENTAGE : 88

## COMPUTER SKILLS

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PROGRAMMING LANGUAGES :	C, C++, Golang, <del>LaTeX</del> , Python
PLATFORM USED :	Linux, Windows
DATABASE :	MySQL, postgresQL.
MISCELLANEOUS :	SystemC, GTK Wave, Ghex, <b>Git</b> , gin-gonic, gorilla, pgx, <b>Docker</b>

## AREA OF INTERESTS

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1. Data Structure and Algorithms
2. Computer Networks
3. Operating System
4. Database Management System

## PROJECTS

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<i>Comparision of WSN protocols</i> AUG - DEC 2016	Implementation and comparision between Wireless sensor protocols named <b>LEACH</b> and <b>EAMMH</b> on the basis of Performance. Wireless Sensor Protocols <b>Low Energy Adaptive Clustering Hierarchy</b> and <b>Energy Aware Multi-Hop Multi-Path Hierarchy</b> protocols were studied and compared on the basis of performance. Simulation was performed in matlab. <i>Technology Stack</i> : matlab
<i>Litmap</i> MAR-MAY 2016	Literacy mission management system Project given to us in Software Engineering Course The aim of the project was to manage all the required databases of the students being taught by volunteers of NIT-HAMIRPUR with proper user Interface. <i>Technology Stack</i> : PHP, MySQL, HTML, CSS, JavaScript.
<i>SystemC Project</i> APR-MAY 2015	8085 Microprocessor Implementation in SystemC Project given to us in Computer Organization Course Aim of the project was to implement instruction sets like <i>ADD, SUB, LDA, STA, MOV</i> of 8085 microprocessor using SystemC and trace the curve using GTKWave. <i>Technology Stack</i> : <i>SystemC, C++, GTKWave, GHex</i>

## EXTRACURRICULAR ACTIVITIES

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1. *Ethical Hacking Course by I3indya at NEW DELHI during SUMMER 2015*
2. *Attended Cloud Computing Workshop at IIT BOMBAY during WINTER 2015*

## MEMBERSHIP

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1. Member of Association for Computing Machinery [acm.org](https://www.acm.org)
2. GNU/Linux User Group (GLUG) - [glug.nith.ac.in](https://glug.nith.ac.in)
3. Logistic Manager of [ACM NIT-H](https://www.acm-nit-hamirpur.org)

## PERSONAL DETAIL

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PLACE AND DATE OF BIRTH:	Itarhi, Buxar, Bihar   04 February 1995
PERMANENT ADDRESS:	#21, High School Road, Itarhi, Buxar, Bihar, 802123, India
LANGUAGES :	English, Hindi
FATHER:	Sundar Lal Gupta
MOTHER:	Maya Devi

## DECLARATION

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I hereby declare that the above written particulars are true to the best of my knowledge and belief.

**Ashutosh Kumar Gupta**