

GAURAV KUMAR SINGH

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EDUCATIONAL QUALIFICATIONS

| Year | Degree/Certificate | Institute/School | CGPA / % |
|------|---|-----------------------|------------|
| 2015 | B. Tech(Computer Science and Engineering) | The LNMIIT, Jaipur | 8.20/10.00 |
| 2010 | AISSE | Lucknow Public School | 87.40% |
| 2008 | AISSE | Lucknow Public School | 89.60% |

SCHOLASTIC ACHIEVEMENTS

- 1 Stood 1st twice in IUPC (Intra University) in September and October 2013 in team of 3 members out of 30 teams.
- 2 Honourable mention certificate from ACM-ICPC Kanpur for 2nd position in college out of 3 teams. (held online)
- 3 Ranked 388th in National Science Olympiad in class 12th and stood 1st in school among 80 participants.

SUMMER INTERNSHIP (continued as B. Tech Project)

Teramatrix Technologies

Gurgaon

15th May to 15th July 2014

- Designed an open source software for Quality of Service and Quality of Experience of a Network(QoS & QoE)
- Analysed and monitored network traffic using open source Nagios scripts for network protocols like HTTP, ICMP, DNS, TCP, etc. run in backend in Python2.7 and saving the results in MySQL temporal database in backend.
- Successfully communicated collected data from backend probe to frontend central server. Implemented frontend using Django framework, open source bootstrap theme and database using MySQL linked with Django.

KEY ACADEMIC PROJECTS

Online Gymkhana Election Portal

Mar 2014 – Apr 2014

- Developed professional software for real time usage in election held in The LNMIIT. The software is being developed over software engineering etiquettes. Implemented using JAVA, JSP, Oracle 10g and Tomcat server.

API development for counterfeit document detection

Oct 2013 – Nov 2013

- Developed an API in JAVA for function like UNCC, GLCM, Energy, etc. of an image. The API could be used to run over an image and obtain values for threshold detection. Using threshold detection of counterfeit document.

Network Security Analysis

Mar 2013 – Apr 2013

- Analysed security vulnerabilities of a local network using different techniques DOS, DDOS, SQL Injection, XSS, MITM on Backtrack r5 platform. Formulated and learned method to secure a network over such attacks.

Twitter imitation on local server

Mar 2013 – Apr 2013

- Deployed Twitter based website. Implemented basic key features of www.twitter.com. Implemented and tested on local server of the institute using all DBMS techniques for query set optimization.

POSITIONS OF RESPONSIBILITY

Teaching Assistant

DSA and C Programming Labs

3rd, 5th, 6th Semester

- Guided students in two C Programming Lab and one Data Structures Lab through the concepts of the course and helped in implementing and debugging codes. Evaluated group of 10 students in each session for their grading.

Content Creator, IUPC

Vivacity 2013

2nd Oct 2013

- Created 3 out of 4 programming question with their input and output files in Inter University Programming Contest. The contest was held on HackerEarth with all time maximum participation ever in an IUPC.

Active Member, Networking

CybroS

Aug 2012 – May 2013

- Helped the coordinators of networking in successfully organising events throughout the year such as Prison Break

Technical Skills

Languages: C, C++, JAVA, JSP, Visual Basic, Shell Scripting, HTML, CSS, PHP, MySQL, JavaScript.

Tools and Framework: MATLAB, Django, Eclipse, LaTeX, Bootstrap, Dia.

Relevant Courses

| DSA | DAA | DM | BME | DIP | COA | OOPS Java | DBMS | TOC | CN | SEPM | ITWS | Basic Electronics | DCS |

Extra Curricular Activities

- Participated in Mr. and Miss Fresher's 2011 as one of five participants in the boys.
- Been part of Campus Cleaning Drive twice held every 15th August motivating others to keep campus clean.
- Actively worked in Sanalp Club for donation collection, went to orphanage, distributed cloths among needy.