Saurabh Gupta

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# OBJECTIVE

I aspire for a creative and challenging internship where I can exercise my engineering and interpersonal skills and that gives an opportunity to learn new things and explore future career possibilities. Hard work, adaptability, determination, learning ability and patience help me to succeed in my objectives.

# AREA OF INTEREST

* Understanding Networking Devices and configuring them.
* Android Application Development.
* Web Development

# EDUCATION

B. Tech Computer Science 2012 — 2016

Engineering (CSE)

The Laxmi Niwas Mittal Institute Of Information Technology

XII -CBSE 2010 — 2011

St. Edmund's School,Jaipur

72%

X-CBSE 2009 — 2010

India International School,Jaipur

81.2%

# INTERNSHIP

**Intern at Linux World, Jaipur**

Description:-It was a Networking Related Internship which involved:

* Hand-on experience on Cisco Router and Switches, ranging from understanding there basics to configuring them for the various protocols.
* Learned to create redundancy in the network Using Emulator GNS3 upon real Devices and L2 Frame Relay Switch.
* Worked with Linux Operating System and understood its advantages.

**Technologies:-**

Cisco networking, Security, Routing and Switching, WAN Frame Relay switch, troubleshooting.

***Aggregation Protocol:***

PAgP(Post Aggregation Protocol) and LACP(Link Aggregation Control Protocol)/ IPV6 routing/Ether Channel.

**Intern At LNMIIT ,Jaipur** under Dr. Amit Neogi,Assistant Professor,The LNMIIT

Description: - Fabrication of Quad-Copter which involved

* Concepts of Aerodynamics and flying geometry
* Programming on Arduino uno and Raspberry Pi
* Working and use of Inertial Measurement Unit and PWM
* Working Universal Synchronous Asynchronous Rx and Tx
* Working on algorithm like PID(Proportional Integral Derivative) ,DCM(Direct Cosine Matrix) and Kalman Filter

# ACADEMIC PROJECTS

* Assembly Compiler : Made our own compiler in C to convert assembly codes to binary
* Hostel Management Tool: Java GUI based software to see the availability of rooms and to manage there database in our own campus.
* Semantic Similarity/Relatedness Measure between words: Java based program which involved Pre-Processing   
   of input data,Stemming,Removal of Stop words ,Elimination of very high and very low frequency words.
* Railway Inquiry System: A web application for the railway inquiry system which retrieves data for the various trains between particular stations and show its route on Google Map.
* Medical Unit Management:An android application for medical unit which makes it easier for the users to   
   maintain their health records online and check the availability of doctors online and take appointments online
* Remote Controlled Wired Robot: A robot using relays and switches,
* Seven Segment Display:A counter using JK flip flop that displays digit from 0 to 9 again from 0. Client Server Architecture:A program in c that uses socket programming to communicate between a client and server, and error detection using check-sum and cyclic redundancy.

# SKILL SET

* Operating System:Linux and Windows
* Programming Language:C(Moderate),Java(Moderate),C++(Moderate)
* Scripting Language: PHP(Basic),Bash(Basic)
* Database Management:MySQL(Moderate)
* Other Tools:Latex,MATLAB
* IDE: Intellij Idea and Eclipse for Java,Cisco Packet Tracer for Networking

# MAJORE COURSES UNDERTAKEN

* C Programming
* Data Structures And Algorithm
* Digital Analysis And Algorithm
* Discrete Mathematics
* Computer Organization And Architecture
* Oops with java
* Operating System
* Database Management System

# ONLINE COURSES

* Successfully completed the Data Structure And Algorithm Course Conducted by

NPTEL(National Programme on Technology Enhanced Learning) a HRD Ministry Funded ,Government Of India Organization and passed the Proficiency Test with Certification.

* Successfully completed the Computer Networks and Digital Analysis And Algorithm Online Course Conducted by Mec(Massively Empowered Classroom) a Microsoft Research India Initiative and Passed the Proficiency Examination With Certification.
* Successfully completed the MEC's Data Structure And Algorithm Course with Participation Certificate.

# ACADEMIC ACHEIVEMENTS

* Was among the 0.02% students in All India Engineering Entrance Examination(AIEEE)-2012

# POSITION OF RESPONSIBILITY

* Elected Member of General Body, COSHA (Cosha Committee takes care of hostel affairs,mess,buses etc.) by Senate Members-2014
* Event Coordinator in Vivacity,annual technical-cultural fest of LNMIIT-2015.
* Member of College interaction team in Plinth-Technical, Desportivos Sports fest of LNMIIT-2015 Voluntarily participated in Bharat Swachh Abhiyan.

# INTERESTS

* Adventure Travelling And Managing
* Listening Music and Singing
* Table Tennis and Badminton

# REFERENCES

References available upon request.