The LNMIIT, Jaipur- 302031
Rajasthan, India

SNEHA SRIVASTAVA

+91-8239026862
Srivastava.sneha95@gmail.com
y13uc292@lnmiit.ac.in

LINKEDIN | WEBSITE | GITHUB | CODECHEF | SKYPE

EDUCATION

Year	Degree/Certificate	Institute/School	Percentage/ CGPA
2017 (Expected)	B.Tech in **Computer Science Engineering**	The LNM Institute of Information Technology, Jaipur	8.53/10 (till 5th semester)
2013	A.I.S.S.E – CBSE (XII)	Apeejay School, Noida	93.2%
2011	A.I.S.S.C.E – CBSE (X)	Apeejay School, Noida	9.60/10

PUBLICATIONS AND RESEARCH WORK

- **SLEEPWELL: Maximize power savings in Tree-like Computer Networks** (*Nov'15*)
  Accepted in 30th IEEE International Conference on Advanced Information Networking and Applications Focus, Switzerland -2016. Worked on developing algorithms and heuristics for optimizing energy consumption in network layout used in developing countries like India. Currently working on advanced implementation.
- *A Mask based approach for Lossless Colour Image Steganography (Aug'14)*
  Published in America's Conference on Information Systems -2015. Lossless recovery with high payload capacity and low error magnitude measured through PSNR values. Provides multilevel security through XOR maps of image pixels with Arnold Transform, without data loss. Implemented on MATLAB**.**

TECHNICAL PROJECTS

- **Performance Analysis of IPL Players** (*Dec'15*)
  Certified Project as **Team Lead** under Computer Society of India**.** R Programming project, involved Cleaning dataset, calculating various parameters such as average, strike-rate, wickets taken, number of 4s in a match etc. for batsmen and bowlers as applicable and plotting parameters using various regression models.
- **RAM-Disk Driver for Linux Systems** (*Nov'15*)
  Implemented in C, Block driver implementation with partition table information, encryption API; read, write, mount and format functionality implemented. Character Driver API also coded for performance analysis.
- **Clean Campus Management Android App**(*Nov'15*)
  Developed a platform for active complaint submissions, review mechanism, push notifications, automated mailing and Interactive UI. **MVC Model, Android App** and **PHP** server.
- **College Admission Portal** (*April'15*)
  Online college admission process and counseling portal. Database maintained with BCNF Normalization. Dynamic queries implemented for administrative changes. **MVC model, Java, JSP, HTML, JavaScript, and CSS on bootstrap.**
- **32-bit Assembler for self-designed ISA** (*March'15*)
  Developed ISA for basic mathematical computation system with floating point and integer implementation and developed corresponding two-phase assembler in C.

POSITIONS OF RESPONSIBILITY

- Student Representative - Academic Council, Undergraduate Committee (*April'15 – March'16*).
- Teacher's Assistant in Computer Programming and Information Technology (*Jan'15-April'15 | Aug'15-Nov'15*).
- Senior Student Guide, Counseling Cell (*May'15-April'16*).

ACADEMIC ACHIEVEMENTS

May'15	Ranked **1st** among 130+ students in Design and Analysis of Algorithms Course.
Sept' 14	Coursera Statement of Accomplishment for successfully completing Machine Learning.
August'14	Coursera Statement of Distinction for exemplary scores in Data Scientist's Toolbox.
March'14	Coursera Statement of Accomplishment for successfully completing Cryptography 1.
July 2013	Ranked in **top 1.6 percentile** in JEE-Main 2013.
July 2013	Ranked among **top 1500** in UPSEE-2013, with more than 2, 00,000 applicants.
May' 13	**Scholar** student for 4 consecutive years in high school.

LANGUAGES AND TECHNOLOGIES

- C++; C; Java; PHP; LISP; JavaScript; Visual Basic; R; HTML5; CSS; JSP; Python; Shell script; Perl.
- MySQL; IBM-DB2; Eclipse; NetBeans; Android Studio; MATLAB; RStudio; Visual Studio; Xilinx;

EXTRA-CURRICULAR ACTIVITIES AND VOLUNTEER EXPERIENCE

- **Campus Ambassador:** BAKAR- APP. Launched app in campus and achieved 300+ dedicated users.
- Informal Events Coordinator at annual technical college fest, Plinth-2016.
- Anchoring at day stage event of Vivacity-2013, annual cultural fest of The LNMIIT, Jaipur.
- Managed Model United Nations held at Plinth-2015, annual technical fest of The LNMIIT Jaipur.
- College Research Group Active Member.
- Certified classical music singer (1 year).