

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 5 th 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

WORK EXPERIENCE

- Software Development Intern at LimeTray (May'16 – July'16)**
PROJECT 1: Customer Relations Manager (9 weeks)
Built on **AWS SQS, NODEJS, My-SQL, Redis**. Developed and engineered product for sending automated scheduled and repeated campaigns to dynamically targeted customers through email and SMS. Includes customer segregation based on personal information, communication statistics, interaction parameters etc.
PROJECT 2: AWS Slow-query analysis server (2 weeks)
Built on **ELK sever**. RDS slow query log dumps read using Percona toolkit. Output parsed for Logstash by shell scripting and server proxy setup using **Nginx**. Kibana dashboards designed for optimum analysis of slow-queries.

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

- 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**.
- 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.
- 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.
- 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.
- 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

<i>May'15</i>	Ranked 1st among 130+ students in Design and Analysis of Algorithms, OOP Courses.
<i>Sept' 14</i>	Coursera Statement of Accomplishment for successfully completing Machine Learning.
<i>August'14</i>	Coursera Statement of Distinction for exemplary scores in Data Scientist's Toolbox.
<i>March'14</i>	Coursera Statement of Accomplishment for successfully completing Cryptography 1.
<i>July 2013</i>	Ranked in top 3 percentile in JEE-Main 2013.
<i>May' 13</i>	Scholar student for 3 consecutive years in high school.

LANGUAGES AND TECHNOLOGIES

- **C++**; **C**; **Java**; **NodeJS**; **PHP**; **JavaScript**; LISP; Visual Basic; **R**; **HTML5**; **CSS**; JSP; Python; **Shell script**; Perl.
- **MySQL**; **IBM-DB2**; **Eclipse**; **ELK Server**; Mongo; **AWS** RDS, SQS, Kinesis; 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).