

# Mayank Sharma

Third Year Undergraduate  
Computer Science & Engineering

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📧 mayanksha | in mayanksha | 🏠 msharma.me

## EDUCATION

- **Indian Institute of Technology, Kanpur** Kanpur, India  
*B.Tech in Computer Science & Engineering; CGPA 6.53/10.0* July 2016 – present
- **Children Senior Secondary School, Dadabari, Kota (Raj.)** Kota, Rajasthan  
*AISSCE Class XII; 92.0%* 2016
- **Central Academy Sr. Sec. School** Chittorgarh, Rajasthan  
*CBSE Class X; CGPA 10.0/10.0* 2014

## KEY SCHOLASTIC ACHIEVEMENTS

- **All India Rank 630** in JEE Advanced 2016 among 200 thousand selected candidates.
- **All India Rank 2237** in JEE Main 2016 among 1.2 million candidates.
- **All India Rank 854**, KVPY Fellowship Award (2015) awarded by Department of Science and Technology, India.
- Awarded **Certificate of Merit** for being in **State Top 1-Percent** in Nation Standard Examination in Physics (NSEP) in 2016.

## EXPERIENCE

- **Software Developer Intern, EarlySalary** Pune, India  
*Pickup System Case Allocation Automation (Mentor: Vivek Jain)* May 2018 - July 2018
  - Worked on the backend of a scalable web app, and helped migration from existing PHP based system.
  - Implemented centralized Authentication & Authorization using **Jumpcloud's Directory-as-a-Service**.
  - Helped design APIs and Algorithms, to retrieve a new case and automatically assign to a Pickup Agency based upon its priority in a cluster, as soon as a new case is added.
  - Developed Microservices for Lambda based REST APIs, deployed them on Lambda using Claudia.js, and Prevented XSS into the existing MySQL Databases.
  - **Technologies Used:** Express.Js with Node.Js, Typescript, Redis (as session store), MySQL, LDAP, AWS Lambda Services.

## SELF PROJECTS

- **Linux From Scratch** 📄 GitHub (/mayanksha/lfs)
  - Developed a **Student Search** in bash which scraped data from Office Automation Portal.
  - Used the ZeromQ library in python to implement client server model to play Collatz Conjecture Game.
  - Created a **SysVInit** based bare-bones linux distribution, compiling packages from tarballs, building upon the host system kernel and finally compiling the kernel for new distro.

## POSITIONS OF RESPONSIBILITY

- **Head, Web Development, Entrepreneurship Cell, IIT Kanpur** (April '18 - present)
  - Spearheading a team of 10+ Senior Web Developer Executives, effectively distributing development work and collaborating in a Git Organization.
  - Developed Campus Ambassador and Events Registration Portals. (MEAN Stack)
- **Webmaster, Hall 5, IIT Kanpur** (November '17 - present)
  - Redesigned and revamped the webpage of Hall 5, IIT Kanpur.

## TECHNICAL SKILLS

- **Programming :** Javascript and Typescript (*Proficient*), C++, Python, C, Bash Scripting, MATLAB
- **Web :** Express.js with Node.js (*Fluent*), Angular 4, MongoDB (Mongoose), AWS Lambda & EC2
- **Databases & Utilities :** MySQL, Redis, LDAP, Git, L<sup>A</sup>T<sub>E</sub>X, Vim, AutoCAD
- **Operating Systems :** Linux (Arch, Ubuntu & LFS), Windows

## RELEVANT COURSES

Data Structures & Algorithms	Intro. to Machine Learning ( <i>i</i> )	Computer Networks ( <i>i</i> )
Operating Systems ( <i>i</i> )	Algorithms 2 ( <i>i</i> )	Theory Of Computation ( <i>i</i> )
Introduction to Programming	Discrete Mathematics	Logic in Computer Science
		<i>i</i> : In progress

## EXTRACURRICULARS & HOBBIES

- A fitness enthusiast, who likes to lead an active lifestyle, regularly hitting the gym and **lost 20 Kgs weight** in the first year.
- Part of School Basketball Team playing at District Level, winning accolades for the team.