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## Education

- 2016–2020 **Bachelor of Technology**, *Indian Institute of Information Technology, Pune*, GPA-8.37/10.  
Computer Science and Engineering
- 2015–2016 **Intermediate**, *D.A.V. Centenary Public School, Haridwar*, Percentage-94.20%.
- 2013-2014 **Matriculation**, *D.A.V. Centenary Public School, Haridwar*, GPA-9.60.

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## Scholastic Achievements

Selected for **Summer Research internship** at IIIT Allahabad.

**Gold Medalist** in International Olympiad of English Language at class level.

Upgraded my Department from Electronics and Communication Engineering to Computer Science Engineering.

Represented my school three times in **Inter School Maths Competition**.

Secured **best rank** in school in JEE Main.

Among **top 1.83%** out of 1.5 million students across country in JEE Main 2016.

Secured **first** position in first year of college.

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## Internship Experience

- May 18 - July 18 **Summer Research Intern**, Indian Institute of Information Technology,Allahabad  
Guide- **Prof U.S. Tiwary**
- Calculating Temporal Functional Modes for Positive Emotions***
- o Analyzed brain networks with Complex Networks.
  - o Studied and implemented various network parameters in Python and inferred the difference between male and female brain for positive emotions as well as baseline(no emotions) at different timestamps over a minute.
  - o Gave an acceptable implementation of finding regular network from original network while calculating Small World Propensity.

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## Projects

- Operating Systems **Implementation of the shell in C**
- o Implemented the shell in C.
  - o Can handle the commands with/without pipe.
  - o Supports all commands.
  - o Used pid, fork and execvp to run two processes in parallel.

#### Web Dev **Let's Chat**

- Designed and implemented web chatting application with Django.
- Added various features like login, signup,logout, private messaging between two users.
- Used request methods to save new messages and to retrieve old messages.

#### Game Dev **Game of Tic-Tac-Toe**

- Implemented Tic-Tac-Toe in C++.
- After 5 turns, checks the winner repeatedly in  $O(1)$ .
- After each turn, it displays the updated scenario of the game.
- Checks if the position that is clicked already filled or not.

#### Operating **Implementation of OS Algorithms**

- Implemented various OS Algorithms(like all CPU Scheduling techniques, all Memory Allocation techniques) in C++.

#### Android **Time Table App** (Ongoing)

- Programming the time management allocation in Android Studio.
- Added features like insertion and deletion of classes.

#### Web Dev **Blog and Website**

- Used the motivation to share knowledge, designed and implemented blog using Django.
- Added features like addition and deletion of posts.
- Used CSS and BootStrap to make it look more presentable.

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## Skills & Interests

General	Machine Learning, Databases, Distributed Systems, Algorithms
Languages	C/C++, Python, Java
Development	Web Development(Django), Android App Development
Tools	L <sup>A</sup> T <sub>E</sub> X, MATLAB, Prolog
Others	Cryptography, MySQL

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## Others

- Approached by Unacademy's representative to teach on their platform.
- Worked as Technical Associate in the college fest (Mridangam)
- Participated in sports like Badminton, Carrom, etc in the sports fest.
- Participated in various inter college technical fests like MindSpark, Crendz.

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## Positions of Responsibility

### **Mentor for Algorithms Class**

- Took the initiative to teach Algorithms to Electronics and Communication Engineering students.
- Encouraged students to do a lot of brain storming in group to inculcate new ideas/approaches to solve problems.
- Conducted a lot of activities to help students to understand concepts clearly.