

# Vaibhav Krishna

Sophomore at IIT Kharagpur

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## Education

Year	Degree	Institute	Percentage/CGPA
2016-2020 (expected)	B.Tech in Electronics and Electrical Communications Engineering	Indian Institute of Technology Kharagpur	9.71/10 Department Rank - 3
2016	Class XII, CBSE	JVM Shyamali, Ranchi	93.6%
2014	Class X, CBSE	Surendranath Centenary School Ranchi	10/10

## Relevant courses

### Completed

Programming and Data Structures, Electrical Technology, Mathematics-I, Mathematics-II, Introduction To Electronics, Semiconductor Devices, Network Theory, Matrix Algebra .

### Ongoing

Signals and Systems, Analog Electronic Circuits, Electromagnetic Engineering , Probability and Stochastic processes.

## Projects

### Implementation Of State Variable Approach in Network Analysis

Oct' 2017

Prof. Arijit De

Based on the concept of Normal Tree provided in "The State-Variable Approach to Network Analysis" By E S Kuh and R A Rohrer and using state space analysis made a circuit solver in Matlab for a Linear Time Invariant system. Future plans include extending this to non- linear and time variant systems.

## Skills

**Programming Languages-** Matlab, Python, C

## Scholastic Achievements

- Among the Top 0.5 percentile ( **AIR 935**) in the **Indian Institute of Technology Joint Entrance Exam Advanced-2016**.
- Awarded fellowship in the young scientist program ( **KVPY**) conducted by **IISc. Bangalore**.
- Qualified **National Standard Examination in Physics (NSEP)** and **National Standard Examination in Chemistry(NSEC)** conducted by **Indian Association of Physics Teachers(IAPT)** to be eligible to appear in **Indian Chemistry Olympiad** and **Indian Physics Olympiad** . Was the **state topper of Jharkhand** in NSEC.

## Extra-Curricular Activities

- As a member of **The KGPIan Game Theory Society** I organised two events **War of Wits 4.0** in Oct'16 and **Battle of Brains** in Jan'17 which was the part of **Kshitiz**,IIT KGP's techno management fest.
- Finished **2nd** representing the Ahmedabad Region in the **National Science Day Quiz-2012** conducted by **Kendriya Vidyalaya Sangathan**.
- Participated in Debate competitions and Quiz competitions actively.