

# SUDHANSHU BANSAL

☎ 91-9417100588    ✉ sudhanshu.bansaliit@gmail.com    🌐 [Sudhanshu127](#)

## EDUCATION

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**Indian Institute of Technology Kanpur**  
Btech Undergraduate  
Department of Computer Science Engineering

*July 2017 - Present*  
Overall GPA: 8.4/10

## TECHNICAL STRENGTHS

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<b>Computer Languages</b>	C/C++ , Rust , Python
<b>Web</b>	MEAN
<b>Operating Systems</b>	Ubuntu
<b>Software &amp; Tools</b>	LaTeX, Git, Sublime, Oracle VM, Unity, Matlab, Jupyter Notebook, Keras

## EXPERIENCE

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**Speech to text** December 2018  
*at Addverb Technologies, Noida*

- Using keras created neural nets trained to pick specific speech words from continuous speech mode.
- Researched on the performance of neural nets like CNN, LSTM-RNN and siamese-NN.

**Full stack Developer** May 2018 - July 2018  
*at IIT Kanpur*

- Created a web based platform for mentors and students to communicate based on an individuals interest.
- Implemented Multi-database structure for users for better performance of recommender algorithm

**Amazon web services** May 2018 - July 2018  
*Internet of Things*

- Worked with various amazon services like Lambda, Alexa skill kit, Rekognition, Kinesis, SNS, S3 bucket, Dynamodb , Mobile sdk
- Created an app which reports the missing object in the video

**Cyber Security** January 2018 - April 2018

- Performed various Capture the flag based on BufferOverflow, Heap Overflow, Shell code injection, sql injection

## ACADEMIC ACHIEVEMENTS

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JEE MAINS - Ranked 604

JEE ADVANCED - Ranked 155

KVPY scholar

## RELEVANT COURSES

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Introduction to programming - A\*  
Linear Algebra and Differential Equations  
Probability in Computer Science  
Data Structure and Algorithm - i  
Computer Architecture - i  
A\* - Outstanding performance  
i - Ongoing

Discrete Mathematics  
Numerical Methods  
Logic  
Introduction to electronics  
Computing Laboratory - i

## POSITION OF RESPONSIBILITY

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**Techkriti 2019 - Technical and entrepreneurial Festival**  
*Event Manager*

August 2018 - Present  
*IIT Kanpur*

- Creating, Hosting and Managing software events to be held during Techkriti'19

**Programming Club**  
*Secretary*

April 2018 - Present  
*IIT Kanpur*

- Managing various Programming club events and workshops throughout the year

**Academic Mentor**  
*Intro to Programming*

April 2018 - Present  
*IIT Kanpur*

- Academic Guide for freshers who face difficulty in Programming
- Hosting Lectures and Doubt-Clearing Sessions throughout the year

## EXTRA-CIRRICULAR

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Used arduino, esp8266, processing, ICs, etc. Won electromain in takneek  
Active in Competitive Programming on [codeforces](#) and [codechef](#)  
Developed games on Python and Unity  
Take part in monthly hackathons (projects available on [github](#))