# Sudhanshu Bansal

Computer Science and Engineering Indian Institute of Technology Kanpur

# WORK EXPERIENCE

Addverb Technologies, Noida December 2018 Speech to text

- 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.

Summer of Code, IIT Kanpur May - July 2018 Full stack Developer

- Created a web based platform for mentors and students to communicate based on an individuals interest.
- Created chat app using socket programming, database management using mongodb, created a dynamic website using angular

### HACKATHONS

## Okta Hackathon

March 2019

• Worked with okta api and created the front end for web in React

Codechef Hackathon in collaboration with Alibaba Cloud September 2018

- Worked with Codechef API and created a problem suggestor web app for new competitive programmers
- Placed in the top 10

#### EDUCATION

2017-Now Bachelor of Technology

Computer Science, IIT Kanpur

CGPA: 8.2/10.0

2017 **12th CBSE** 

Netaji Model School

Percentage: 91%

2015 **10th ICSE** 

Holy Family Convent School

Percentage: 94.6%

## AWARDS AND ACHIEVEMENTS

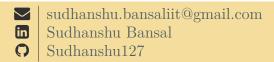
2017 All India Rank 604

JEE Mains, 1.12 million candidates

2017 All India Rank 155

JEE Advanced, 160,000 candidates

2013 KVPY Scholarship awardee Scholarship by IISc, Govt. of India



## PROJECTS

Internet of Things, Alexa Skill May 2018 - July 2018

Programming Club IIT Kanpur

- Worked with various amazon services like Lambda, Alexa skill kit, Rekognition, Kinesis, SNS, S3 bucket, Dynamodb , Mobile sdk
- Created an app which reports the replaced objects in a video
- Connected Android with Alexa, and various other cloud services

Cyber Security January 2018 - April 2018 Association of Computing Activites, IIT Kanpur

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

## Coursework

- Introduction to Programming
- Data Structure and Algorithm
- Discrete Mathematics
- Probability in Computer Science
- Computer Architecture Numerical Methods
- Machine Learning(i)
- Theory of Computation(i)
- Operating System(i)
- Principles of Programming Languages(i)

i: ongoing

## TECHNICAL SKILLS

 ${\tiny LANGS} \quad C/C++(Proficient) \ , \ Python,$ 

Javascript, Haskell

Web MEAN, mysql, socket.io

Utils LaTeX, Git, Kubernetes, Docker,

Matlab

## MISCELLANEOUS

- Deep Dive Into CP19 Mentor of Programming Club IIT Kanpur; Mentored a group of 15 students teaching them algorithms that are used in competitive programming.
- Secretary of Programming Club IIT Kanpur; Managing various Programming club events and workshops throughout the year
- Academic Mentor Guided freshers who face difficulty in Programming by hosting Lectures and Doubt-Clearing Sessions.