

SUDHANSHU BANSAL

☎ (91)9877239648

✉ sudhanshu.bansaliit@gmail.com

🌐 Sudhanshu127

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EDUCATION

Indian Institute of Technology Kanpur

Btech Undergraduate

Department of Computer Science Engineering

July 2017 - Present

Overall GPA: 8.2/10

Netaji Model School

12th CBSE

2017

Percentage: 91%

Holy Family Convent School

10th ICSE

2015

Percentage: 94.6%

ACADEMIC ACHIEVEMENTS

All India Rank 155 JEE ADVANCED, 160,000 candidates

All India Rank 604 JEE MAINS 1.12 million candidates

KVPY scholar

WORK EXPERIENCE

Addverb Technologies, Noida

Speech to text

December 2018

- 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

Full stack Developer

May 2018 - July 2018

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

PROJECTS

Internet of Things, Alexa Skill

Programming Club IIT Kanpur

May 2018 - July 2018

- 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

Association of Computing Activities

January 2018 - April 2018

IIT Kanpur

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

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

RELEVANT COURSES

| | | |
|---------------------------------|------------------------------|--|
| Introduction to Programming | Data Structure and Algorithm | Discrete Mathematics |
| Probability in Computer Science | Logic | Numerical Methods |
| Computer Architecture | Introduction to electronics | Linear Algebra and Differential Equation |
| Computing Laboratory | Machine Learning(i) | Theory of Computation(i) |
| Operating System(i) | Algorithms II (i) | Principles of Programming Languages(i) |
| i - Ongoing | | |

TECHNICAL STRENGTHS

| | |
|-----------------------------|---|
| Computer Languages | C/C++(Proficient) , Python, Javascript, Haskell |
| Web | MEAN, mysql, socket.io |
| Operating Systems | Ubuntu, Arch |
| Software & Tools | LaTeX, Git, Kubernetes, Docker, Unity, Matlab, Jupyter Notebook |
| Libraries | Keras |

POSITION OF RESPONSIBILITY

Programming Club

May 2019 - July 2019

Deep Dive Into CP19 Mentor

IIT Kanpur

- Mentored a group of 15 students teaching them algorithms that are used in competitive programming

Programming Club

April 2018 - March 2019

Secretary

IIT Kanpur

- Managing various Programming club events and workshops throughout the year

Academic Mentor

April 2018 - March 2019

Intro to Programming

IIT Kanpur

- Guided freshers who face difficulty in Programming by hosting Lectures and Doubt-Clearing Sessions.

INTERESTS

Competitive Programming

- Rated expert on [codeforces](#) and highest rating of 5 star on [codechef](#)

Internet of Things

- Used arduino,FPGA,esp8266,processing,ICs,etc. Won electromaina in takneek.