

SUDHANSHU BANSAL

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EDUCATION

Indian Institute of Technology Kanpur

Btech Undergraduate

Department of Computer Science Engineering

July 2017 - Present

Overall GPA: 8.0/10

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

Sprinklr, Gurugram

Team:Research Role:Backend

May 2020 - June 2020

- Patched official lucene queryparser for validating results without sending to elasticsearch
- Developed a java based MockJsonServer(returns a dummy json response) for a quick frontend-backend development configured with slackbot
- Created a multithreaded data collection java application with persistence and caching in kafka and hosting it with elasticsearch

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 individuals interest.
- Created chat app using socket programming, database management using mongodb, created a dynamic website using angular

HACKATHONS

InterIIT TechMeet

December 2019

- Placed 6th amongst all IITs in the 24hr long "Capture the Flag" event

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 programmers. Placed in top 10

PROJECTS

Reputation Networks

January 2020 - May 2020

Undergraduate Project under Swaprava Nath

- Designing a social network for clustering people based on non-quantitative features
- Designing a judgement system that would determine the various aspects of any non-quantitative art form

Internet of Things, Alexa Skill

May 2018 - July 2018

Programming Club IIT Kanpur

- Worked with various amazon services like Lambda, Alexa skill kit, Rekognition, SNS, S3 bucket, Dynamodb
- Created an app which reports the replaced objects in a video

COURSE PROJECTS

Reading Comprehension of Abstract Meaning

September 2020 - Present

CS779: Statistical NLP

- Assigning abstract words which are highly imperceptible or nonspecific within a given comprehension
- Evaluating the model that is trained on one definition, on another definition.

RELEVANT COURSES

Programming : Data Structure and Algorithm, Algorithms2, Principles of Programming Languages

Systems : Operating Systems, Compiler Design, Designing Verifiable Secure Systems, Database Systems, Programming for Performance(i), Computer Organisation

Machine Learning : Intro to ML, Statistical NLP(i), Linear Algebra and Differential Equations

Computation: Discrete Mathematics, Probability in CS, Logic, Numerical Methods, Theory of Computation, Cryptography, Game Theory(i)

i :- Ongoing Courses

TECHNICAL STRENGTHS

Computer Languages	C/C++(Proficient) , Java, Python, Javascript, Haskell
Web	MEAN, mysql, socket.io
Operating Systems	Ubuntu, Arch
Tools	ElasticSearch, Lucene, Kafka, Kubernetes, Gradle, Keras
Software	Intellij, LaTeX, Git, Docker, Unity, Matlab, Jupyter Notebook

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

INTERESTS

Competitive Programming

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