SUDHANSHU BANSAL

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EDUCATION

Indian Institute of Technology Kanpur   *July 2017 - Present*
Btech Undergraduate   Overall GPA: 7.94/10
Department of Computer Science Engineering
Netaji Model School   *2017*
12th CBSE   Percentage: 91%
Holy Family Convent School   *2015*
10th ICSE   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   May 2020 - June 2020
Team:Research Role:Backend

· 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 on elasticsearch

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 2018 - 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

PROJECTS

Reputation Networks
January 2020 - Present

Undergraduate Project under Swaprava Nath

· Designing a social network for clustering people based on non-quantitative features
· Designing a jugdement system that would determine the various aspects of any non-quantitative art form (dancing, singing, etc)

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

Cyber Security
January 2018 - April 2018

Association of Computing Activites   *IIT Kanpur*

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

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	Theory of Computation
Operating System	Algorithms II	Principles of Programming Languages
Compiler Design	Cryptography	Secure Systems
Database Systems		

i - Ongoing

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
Software	Intellij, LaTeX, Git, 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 ardunio,FPGA,esp8266,processing,ICs,etc. Won electromaina in takneek.