Sudhanshu Bansal

Computer Science and Engineering
Indian Institute of Technology Kanpur

sudhanshu.bansaliit@gmail.com
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Sudhanshu127

Education

2017–Now **Bachelor of Technology**
Computer Science, IIT Kanpur
CGPA: 8.0/10.0

2017 **12th CBSE**
Netaji Model School
Percentage: 91%

2015 **10th ICSE**
Holy Family Convent School
Percentage: 94.6%

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

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 chat app for mentors and students to communicate based on an individuals interest 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 September 2018
Worked with Codechef API and created a problem suggesting web app for new programmers
Placed in top 10

Awards and Achievements

2017 **All India Rank 155**
JEE Advanced, 160,000 candidates

2017 **All India Rank 604**
JEE Mains, 1.12 million candidates

2016 **KVPY Scholarship awardee**
Scholarship by IISc, Govt. of India

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.

Reputation Networks *Jan 2020 - May 2020*
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

Designing Java Compiler *Jan 2020 - March 2020*
CS335: Compiler Design

- Create a Lexer and Parser(LLstar) for Java8
- Created AST using antlar

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

Coursework

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 ans Differential Equations
Computation: Discrete Mathematics, Probability in CS, Logic, Numerical Methods, Theory of Computation, Cryptography, Game Theory(i)
i :- Ongoing Course

Technical Skills

Langs C/C++(Proficient) , Java, Python, Javascript, Haskell

Web MEAN, mysql, socket.io

Web ElasticSearch, Lucene, Kafka, Kubernetes, Gradle, Keras

Utils Intellij, LaTeX, Git, Docker, Unity, Matlab, Jupyter Notebook