


# Debashish Reang

[reang@iitk.ac.in](mailto:reang@iitk.ac.in) 

(+91)-8974222357 

<https://reangdeba.xyz/> 

## education

**Indian Institute of Technology Kanpur (IIT-K)**

Kanpur, UP

B.Tech. Electrical Engineering, CPI 6.9 / 10.0

2017 – 2020 (*expected*)

**NPS International School Guwahati**

Guwahati, AS

All India Senior School Certificate Examination, GPA 95.6 / 100.0

2015 – 2017

Student of the Year and Highest Score in Science Stream

## experience

**Parallel Computing Lab at IITK**

Kanpur, UP

Undergraduate Researcher

May 2019 – Dec 2019

Studied the Weather Research Forecast Model (WRF) for weather simulation and made source code changes to VisIt visualization tool to visualize the simulated weather data. Advised by [Prof. Preeti Malakar](#).

## awards

[National Scholarship for Higher Education](#), 2018

Among 1000 students from all over India to be awarded the scholarship

[Merit-cum-Means Scholarship IIT Kanpur](#), 2017

One of the recipients of merit-based scholarship in a class of 830 incoming freshmen

[Dr. B.R Ambedkar Merit Award](#), 2015

Merit-based scholarship awarded to 250 state-board students from all over India

## coursework

**EECS:** Data Structures & Algorithms, Machine Learning for Signal Processing, Microelectronics-II, Signals & Systems, Digital Signal Processing

**Biology:** Bioinformatics & Computational Biology

## projects

**Post Recommendation System for [treadwill.org](https://treadwill.org)**

Developed a post recommendation system using tf-idf and SVM (Support Vector Machine) classifier for [treadwill.org](https://treadwill.org), a platform to help people with depression. Advised by [Prof. Nitin Gupta](#).

**Machine Learning for Lattice Generation for Physics**

Generated new lattices using Convolutional Neural Nets that corresponded to the thermodynamic trends as observed in lattices generated using standard Monte Carlo simulation at lower temperatures. Advised by [Prof. Vipul Arora](#).

## skills

**Programming Languages:** Python, C, HTML/CSS

**Libraries & Frameworks:** Flask, Bootstrap, PyTorch

**Tools:** Git,  $\LaTeX$ , Markdown

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Last updated on: January 4, 2020