


Debashish Reang

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<https://reangdeba.xyz/> 

- education** **Indian Institute of Technology Kanpur (IIT-K)** Kanpur, UP
B.Tech. Electrical Engineering 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** **Lab of Neural Systems at IITK** Kanpur, UP
Undergraduate Researcher Aug 2019 – Present
Developed a post recommendation system using tf-idf and SVM (Support Vector Machine) classifier for treadwill.org, a platform to help people with depression.
Advised by [Prof. Nitin Gupta](#).
- 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** Machine Learning for Signal Processing, Bioinformatics & Computational Biology, Complex Variables, Microelectronics-II, Digital Electronics, Signals & Systems, Probability & Statistics, Control Systems Analysis, Introduction to Electronics
- projects** **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: December 24, 2019