# Debashish Reang

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|---|---|---|
| **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** 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** **Post Recommendation System for treadwill.org**
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.

**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 31, 2019*