

DEBASHISH REANG

3rd Year Undergraduate Student

Department of Electrical Engineering

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EDUCATION

Indian Institute of Technology Kanpur

2017 – 2021 (*expected*)

- Bachelor of Technology in Electrical Engineering
- 2018 National Scholarship for Higher Education awardee
- 2017 recipient of Merit-cum-Means Scholarship
- **Classes:** Machine Learning, Bioinformatics & Computational Biology, Linear Algebra, Complex Analysis, Communication Systems, Microelectronics, Digital Electronics, Control Systems Analysis

EXPERIENCE

Laboratory of Neural Systems IIT Kanpur

Aug 2019 – Present

Undergraduate Intern

- Advisor: Prof. Nitin Gupta
- *General focus:* Improving the post recommendation system on treadwill.org for Cognitive Behavioral Therapy (CBT) using Natural Language Processing.

Madhav Lab IIT Kanpur

Aug 2019 – Present

Undergraduate Project

- Advisor: Prof. Vipul Arora
- *General focus:* Generating higher dimensional lattices for Quantum many-body Physics from existing smaller lattices using Generative Adversarial Networks.

Parallel Computing Lab IIT Kanpur

May 2019 – Present

Undergraduate Research Assistant

- Advisor: Prof. Preeti Malakar
- *General focus:* Integrating weather Simulation & Visualization using High Performance Computing.

PROJECTS

Swarm Robotics

2019

Summer Group Project

Electronics Club IIT Kanpur

- Made a bunch of robots form shapes as specified by the user using the A^* path planning algorithm.
- Awarded **Best Project under Electronics Club**.

Poha CMS

2018

Winter Camp Mini-Hackathon

Electronics Club IIT Kanpur

- Created Content Management System from scratch using Flask & used Face Recognition API for login.
- Awarded **Honorable Mention for Innovation**.

TECHNICAL SKILLS

Languages

Python, JavaScript, HTML, CSS, C, C++

Frameworks & Libraries

Flask, Django, PyTorch, Tensorflow, Bootstrap

Tools

Git, L^AT_EX, Markdown

SERVICE

Coordinator, Quiz Club IIT Kanpur

2019 –

Student Guide, Counselling Service IIT Kanpur

2018 – 2019

Academic Mentor, Counselling Service IIT Kanpur

2018 – 2019