

Drishti Bhasin

Undergraduate at Indian Institute of Technology, Roorkee

Machine Learning · Open Source

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EDUCATION

B.Tech. (Mechanical Engineering)

Indian Institute of Technology, Roorkee

07/2019 - 07/2023

Roorkee, India (CGPA : 8.76/10)

Intermediate (Class XII)

Woodlands Overseas School

04/2017 - 04/2019

Punjab, India (Percentage : 94.4%)

WORK EXPERIENCE

Upcoming Data Science Intern

Microsoft

05/2022 - 06/2022

Yet to commence

Bangalore, India

Software Development Intern

Quansight

07/2021 - Present

USA

Achievements/Tasks

- Built an ethics focused NLP tutorial for NumPy ([Rendered Version](#)) ([Contributions to NumPy-tutorials](#)).
- Working on making the deep learning framework PyTorch more compatible with the data-API standard ([Contributions to PyTorch](#)).
- Working under the esteemed mentorship of the core contributors of NumPy, Jupyter and PyTorch.

Research Intern

Midas Labs, IIIT Delhi

02/2021 - Present

Delhi, India

Achievements/Tasks

- Under the guidance of [Dr. Rajiv Ratn Shah](#), implemented a Contrastive learning-based framework with explicit user feedback for image retrieval.
- Created a data preprocessing pipeline for auto-rotation, background removal and face extraction
- Implemented soft actor-critic reinforcement learning architectures to compare performances
- Our work was accepted in the student abstract track of the [AAAI 2022 conference](#).

Research Intern

Declare lab, Singapore University of Technology and Design

01/2022 - 03/2022

Singapore

Achievements/Tasks

- Under the guidance of [Prof. Soujanya Poria](#), my work focuses on making Discriminative Natural Language Infilling more robust
- The main task is to generate semantically similar correct and incorrect options for masked sentences within common-sense stories and natural dialogue datasets and to make it as hard as possible for state-of-the-art NLP models to differentiate between the correct and incorrect options

SKILLS

C++

Python

PyTorch

Shell Scripting

Latex

Git

NumPy

Keras

vim

HTML

CSS

Microsoft Office

Jupyter

English

PROJECTS

Global Pandemic Response Challenge (12/2020 - 02/2021)

- Under the guidance of [Dr. Debasish Ghose](#), worked with IISc Bangalore on building a Covid cases predictor using LSTMs and an NPI prescriptor model using an encoder-decoder architecture.
- Ranked among 48 finalists from 17 countries in the Global Pandemic Response Challenge, was a member of India's only qualifying team.

Logo Detection and Analysis (09/2020 - 11/2020)

- Worked on detecting and analyzing the brands being advertised during an IPL cricket match.
- Scraped a 20,000 image strong dataset using a python web crawler.

Consulting Projects (02/2020 - 07/2021)

- Prepared a case study on "How the Indian government can leverage technology to become more effective?".
- Prepared a case study on "How Health technology will change the Health sector in India?".
- Performed data analysis of the marketing campaigns by Google and Facebook.
- Worked in collaboration with the Start-Up Loopworm to do market surveys and data analysis of the Chitosan Market.

ORGANIZATIONS

Uber, India (03/2021 - 04/2021)

As a finalist of the Uber she++ program, was - Invited by Uber India at a virtual seminar to get a glimpse of their work and product development process

iHub DivyaSampark, India (06/2021 - Present)

Granted the Chanakya UG Fellowship by the department of Science and Technology, Govt of India to fund our project in the domain of Computer Vision.

Data Science Group, IIT Roorkee (04/2021 - Present)

Took charge of conducting the group's weekly discussion series where every week we break down a research paper in the field of Deep Learning. Made contributions to AllenNLP and Sktime.

ShARE, IIT Roorkee (02/2020 - 07/2021)

Underwent an internationally curated leadership and corporate training program in the vertical of Global Economy

Quizzing Section, IIT Roorkee (09/2020 - Present)

Incharge of conducting regular quizzes open to all sections of the IIT Roorkee populace

QAGAAR, IIT Roorkee (06/2021 - Present)

Volunteer at the queer and gender support group in IIT Roorkee

National Service Scheme (Ngo, Relations and Sponsorships) (06/2019 - 06/2021)

Responsible for contacting different NGOs to sponsor the annual blood donation camp of IIT Roorkee