Kumar Neelabh

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Education

IIIT Hyderabad — Hyderabad, IN
MS (by Research) Computer Science *GPA: 9.00* — Aug 2020 - Present

Indraprastha University — Delhi, IN
BTech Computer Science — Aug 2016 - Jul 2020

Work Experience

IIIT Hyderabad — Hyderabad, IN
Student Researcher — Dec 2020 - Present

- Working on neural audio-visual compression for video conferencing.
- Associated with CVIT lab.

IIT Bombay — Mumbai, IN
Research Intern — May 2019 - Nov 2019

- Worked on abnormality detection in chest X-rays.
- Supervised by Prof. Suyash Awate.

IIT Bombay — Mumbai, IN
Research Intern — May 2018 - Jul 2018

- Worked on explainable AI - on visualizing classification decision-making by neural networks.
- Supervised by Prof. Suyash Awate.

Master's Coursework

Deep Learning:	Reinforcement Learning, Advanced NLP, Computer Vision
Neuroscience:	Intro to Neural and Cognitive Modeling, Cognitive Neuroscience

Projects

WikiQA: Open Domain Question Answering *Python, PyTorch*
https://github.com/skosgi242/DRQA
A neural question-answering system that can answer factual question by reading Wikipedia.

Transformers for Medical Vision *Python, PyTorch*
https://github.com/Computer-Vision-IIITH-2021/project-autobots
A transformer-based deep learning pipeline for medical image segmentation.

Effect of Social Media on Reading Comprehension *Python, NumPy*
An experiment to analyze the effects of social media usage on reading comprehension performance in terms of time taken and comprehension score.

Awards

Ericsson Innovation Awards — Ericsson HQ, Stockholm
Selected as world finalist (second runner-up) for my project TL;DR, a neural system that reads and summarizes customer agreements. — May 2018

Joint Entrance Screening Test (JEST), AIR 9 — IMSc Chennai
JEST is a national-level entrance test for admission to research-based postgraduate programs in computer science. — Feb 2020

TIFR GS2020 — TIFR Mumbai
TIFR is India's premier research institute in fundamental sciences. I was among the 7 students offered admission to TIFR's PhD program in computer science. — Aug 2020