Hrushikesh Loya   Curriculum Vitae

CONTACT

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EDUCATION

Indian Institute of Technology, Bombay, Mumbai, India   Jul 2015 – Jun 2020
Bachelor and Master of Technology in Electrical Engineering
Specialization in Communications and Signal Processing
Honors in Electrical Engineering with Major Cumulative GPA of **9.54/10**
Minor in Computer Science & Engineering

National University of Singapore, Singapore   Aug 2018 – Dec 2018
TFI-LEaRN Semester Exchange Program
Electrical Engineering and Computer Science with Cumulative GPA of **9.8/10**

ACADEMIC
HONORS

Recipient of the **Undergraduate Research Award** at IIT Bombay   2019 – 2020
For excellence in research conducted towards completion of master's thesis

Among **top 3** in Electrical Engineering batch of 82 students

Recipient of the **Institute Academic Prize** at IIT Bombay   2016 – 2017
For being one of the top two in the department based on a year's performance

Awarded **TFI-LEaRN Scholarship** for semester exchange in NUS   Jul 2018 – Dec 2018
1 out of 45 scholars from Asia to be recognized as Leaders of tomorrow

Awarded an **A+ Grade** in **3 courses**
Grade awarded to a select few for **exceptional performance** in a course
In Biopotential I: Cellular Signals, Computer Vision, and Introduction to Computational Biology

PUBLICATIONS

Uncertainty Estimation in Cancer Survival Prediction   Mar 2020
AI4AH Workshop at International Conference on Learning Representations (ICLR)
Hrushikesh Loya, Pranav Poduval, Deepak Anand, Neeraj Kumar and, Amit Sethi

Stochastic Activation & Bistability in a Rab GTPase Network   Jan 2020
Proceedings of the National Academy of Sciences of the United States of America (PNAS)
Urban Bezaljak, **Hrushikesh Loya**, Beata Kaczmarek, Martin Loose, Timothy Saunders

Functional Space Variational Inference for Uncertainty Estimation in Computer Aided Diagnosis   Jan 2020
Medical Imaging and Deep Learning (MIDL) Conference
Pranav Poduval, **Hrushikesh Loya**, Amit Sethi

Bayesian Framework for Cancer Survival Prediction   Nov 2019
Annals of Oncology
Hrushikesh Loya, Deepak Anand, Pranav Poduval, Neeraj Kumar and, Amit Sethi

CAMPUS
ACTIVITIES/
POSITIONS
HELD

Biotech Club Manager
Institute Technical Council   Apr 2017 – Apr 2018
Part of 55 member council responsible for developing and promoting technical activities in institute
Headed team of 3 conveners with aim of promoting events and projects in interdisciplinary Biology

Teaching Assistant for five undergraduate level courses at IIT Bombay

Volunteered in **National Social Service, India** to promote a green campus

Administered installation of bouldering wall & facilitated camps for 800+ enthusiasts

ACADEMIC
DOMAIN

Probability and Statistics
Advanced Concentration Inequalities, Probabilistic Models, Probability and Random Processes, Data Analysis and Interpretation, Introduction to Fuzzy / Neural Systems, Science of Information, Statistics, Learning, Advanced Topics in Machine Learning, Computational Biology

Computer Science
Data Structures and Algorithms, Operating Systems, Discrete Structures, Logic for Computer Science, Medical Image Computing, Computer Vision and Pattern Recognition