DIVYANSHU SRIVASTAVA

Computational Biologist

PHD STUDENT

Currently working in Computational Oncology, jointly affiliated with the University of Lausanne and EPFL at Lausanne, Switzerland. Focussed on understanding selection and adaptation in tumour evolution.

ABOUT ME

I am a IT engineer turned computational biology researcher. I enjoy solving puzzles and problems. Interests include mathematics, electronics and sports.

SKILLS AND INTERESTS

- ✓✓✓ Data Science
- ✓✓✓ Network Biology
- ✓✓✓ Statistical Computation
- ✓✓✓ Natural Language Processing
- ✓✓✓ Python, R, MATLAB, Bash
- ✓✓ Parallel Programming
- ✓✓ Graph Signal Processing
- ✓ Cuda C, Arduino, C, C++, JAVA

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WORK EXPERIENCE

Researcher | Life Sciences (Microbiology and Metagenomics)
TATA Research, Development and Design Center (TRDDC) - Pune
2018 - 2021

ACADEMIC HISTORY

Indraprastha Institute of Information Technology, Delhi

M. Tech (Computational Biology) 2016-2018

- GPA - 9.26
- Thesis - Graph Signal processing based analysis of biological networks. (June 2017 – July 2018)
- Teaching Assistant – Introduction to Mathematical Biology, Linear Algebra

Cluster Innovation Center, University of Delhi

B. Tech (Information Technology and Mathematical Innovations) 2012-2016

- Percentage - 83.61
- Specialization – Electronics and Robotics
- Internships - Defence Terrain Research Laboratory (DRDO), Birla Institute of Technology, PHD Chamber of Commerce
- Purchase Manager - Robotics Society

PUBLICATIONS

- **Divyanshu Srivastava**, Arvind Iyer, Vibhor Kumar, Debarka Sengupta; CellAtlasSearch: a scalable search engine for single cells, **Nucleic Acids Research**, Volume 46, Issue W1, 2 July2018, Pages W141–W147.
- **Divyanshu Srivastava**, Krishanu Das Baksi, Kuntal K. Bhusan, Sharmila Mande; 'EviMass': A literature evidence based miner for human microbial associations, **Frontiers in Genetics**, August 2019.
- Sunil Nagpal, **Divyanshu Srivastava**, Sharmila S. Mande: What if we perceive SARS-CoV-2 genomes as documents? Topic modelling using Latent Dirichlet Allocation to identify mutation signatures and classify SARS-CoV-2 genomes, bioRxiv 2020.08.20.258772.

AWARDS AND ACHIEVEMENTS

- IELTS Score (2019) - 8.5
- GATE Score (2016) - 532
- Awarded First Prize - "Best in Robo" @ Innovation Fair, 2015, National Science Centre, New Delhi for "Android Controlled Robot."